



December 9, 2021

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Attn.: SnapNrack - Engineering Department

Subject: Report # 2021-11441 – Engineering Certification Update and Addendum Span Tables for the 2017-00240-D.02 SnapNrack Series 200 - Ground-Mount Solar Photovoltaic Racking System.

PZSE, Inc. – Structural Engineers has reviewed and analyzed the SnapNrack Series 200 Ground-Mount Racking System, a proprietary mounting system constructed from modular parts, which is intended for free-standing installation of solar photovoltaic (PV) panels; and has provided the attached span tables. This review included the complete system including the 6005-T5 aluminum rails, the steel pipe support frame, foundation piers, American Ground Screw – Model 3 Ground Screw foundation alternative, connections, and PV Panels. All information, data, and analysis contained within are based on, and comply with, the following building codes and typical specifications:

- Building Codes:**
1. ASCE/SEI 7-05, 7-10, and 7-16; Minimum Design Loads for Buildings and Other Structures, by American Society of Civil Engineers
 2. 2009-2018 International Building Code, by International Code Council, Inc.
 3. 2009-2018 International Residential Code, by International Code Council, Inc.
 4. AC428, Acceptance Criteria for Modular Framing Systems Used to Support Photovoltaic (PV) Panels, November 1, 2012 by ICC-ES
 5. Aluminum Design Manual 2015, by The Aluminum Association, Inc.

Design Criteria: Risk Category I; Seismic Design Category = A - E

Wind Loads: Basic Wind Speed (ultimate) per ASCE 7-10 = 100 mph to 170 mph, with exposure category C. Basic Wind Speed (ultimate) per ASCE 7-16 = 90 mph to 170 mph, with exposure category C. Includes panel tilt from 0° to 45°. Topographic wind speed adjustment has not been considered. See Appendix A for conversion to Service-level wind speeds per ASCE 7-05.

Snow Loads: Ground Snow Load = 0 to 120 (psf). Spans are based on the flat roof snow load (Ps) corresponding to each ground snow load. See Appendix B to adjust span tables for non-reducible snow loads.

PV Modules: All solar PV modules with metal frames. See span tables for installation options for 72"x42" and 84"x42" Modules. Length is measured perpendicular to the aluminum support rail, regardless of panel orientation.

If you have any questions, do not hesitate to call.

Prepared by:
PZSE, Inc. – Structural Engineers
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Table of Contents

Item	Page #
Description and Limitations of the Series 200 Ground-Mount System	3
Configuration Tables for Series 200 Ground-Mount with CIDH Foundation	5
Configuration Tables for Series 200 Ground-Mount with Model 3 Ground Screw Foundation.....	239
Appendix A: ASCE 7-10 to ASCE 7-05 Wind Conversion	473
Appendix B: Snow Load Conversion	474
Appendix D: Structural Details	477



Ground-Mount System Description and Geometry Limitations:

The Series 200 Ground-Mount PV Racking System is intended for the free-standing, ground-mounted installation of solar panels. The ground-mounted system is designed as an open structure per the Main Wind Force Resisting Systems (MWFRS) provisions of ASCE 7. The system consists of a frame constructed from 1-1/2" \varnothing (nominal) steel pipe supported by cast-in-drilled-hole (CIDH) concrete pier footings or 'American Ground Screw – Model 3' Ground Screws (2" \varnothing posts required for Ground Screw option. See section below). PV modules are attached to extruded aluminum rails that are attached to the frame. For the purpose of this report, a PV module is a single, metal-framed glass unit, and a PV panel is an assembly of 3, 4 or 5 modules which share common support rails.

PV arrays that are subject to snow loading and are located closer than 20 feet away from any taller structure are subject to increased snow loads (ASCE §7.7.2). Arrays located near evergreen trees may be considered "sheltered" and are also subject to increased snow loads (ASCE Table 7-2). See Appendix B to amplify the snow load for these conditions. These tables shall not be applied to PV arrays that are installed closer than 600 ft from the shoreline of any open body of water which is wider than 5000 feet across (ASCE §26.7.3). Installations exceeding this limitation shall require analysis by a licensed design professional. The aluminum rails shall be evenly distributed under the modules they support. The space under the panels shall remain clear of permanent obstructions and stored objects.

Foundation Design:

CIDH

The cast-in-drilled-hole (CIDH) concrete pier design presented in the configuration tables is based on the piers being installed at their maximum allowable spacing (PS). Foundation pier sizes are presented in the form of "12 x 30", where the first number (12 in this example) is the diameter of the drilled pier, and the second number (30 in this example) is the depth of the pier below the ground surface. The design assumptions for the foundation depth values are as follows:

1. Soils shall conform to Class 5 Soils or better per IBC Table 1806.2
2. Concrete Weight = 145 pcf
3. Concrete Strength, f'_c = 2500 psi
4. Skin Friction per IBC 1810.3.3.1.4 & 1810.3.3.1.5
5. Allowable load increase for short-term wind or seismic loading has not been considered.

Ground Screws

American Ground Screw, Inc. – Model 3 (ESR-4226)

The Ground screw design presented in the configuration tables is based on the Ground Screws being installed at their maximum allowable spacing (PS). Ground screw Foundation applicability is presented in the form of "Yes" or "N/A", For the site-condition. The tables assumed the Model 3 Ground screw is installed in accordance with ESR-4226. The design assumptions for the soil conditions are as follows:

1. Soils shall conform to Class 5 Soils or better per IBC Table 1806.2
2. Skin Friction per IBC 1810.3.3.1.4 & 1810.3.3.1.5
3. Allowable load increase for short-term wind or seismic loading has not been considered.
4. Soils have an SPT - blow count of 13 or greater.



Non-standard Installations:

- Roof-mounted installations utilizing the Series 200 PV Racking System should be evaluated by a licensed design professional on a case-by-case basis.
- A grade beam foundation substitute should be evaluated by a licensed design professional on a case-by-case basis. Adverse conditions such as corrosion and/or sulfate attack, possible effects due to expansive soils or frost heave, and the presence of shallow bedrock have not been considered in these foundation designs. If these or any other adverse soil conditions are present, recommendations for the foundation design should be obtained through a licensed Geotechnical Engineer who is familiar with local conditions. A soils report is widely considered the most reliable and accurate method for determining the most efficient type and dimensions of foundation for any ground-mounted array system. Soils reports can be obtained through a Geotechnical Engineer.

Design Responsibility:

These tables are intended to be used under the responsible charge of a registered design professional where required by the authority having jurisdiction. In all cases, these tables should be used under the direction of a design professional with sufficient structural engineering knowledge and experience to be able to:

- Evaluate whether these tables are applicable to the project, and
- Understand and determine the appropriate values for all input parameters of these tables.

This letter certifies that the Series 200 Ground-Mount PV Racking System, when installed according to the limitations of this letter and the attached configuration tables, is in compliance with the above codes and loading criteria.

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	108	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	147	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	95	12 x 30	12 x 36			149	12 x 36	12 x 45				2	2
	15° to 22.5°	89	12 x 30	12 x 45			151	12 x 39	12 x 54				2	2
	22.5° to 30°	85	12 x 30	12 x 51			121	12 x 36	12 x 60				2	2
	30° to 37.5°	87	12 x 30	12 x 57			108	12 x 30	12 x 63				2	2
	37.5° to 45°	92	12 x 30	12 x 66			102	12 x 30	12 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	105	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	143	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	90	12 x 30	12 x 36			142	12 x 36	12 x 48				2	2
	15° to 22.5°	85	12 x 30	12 x 45			143	12 x 42	12 x 57				2	2
	22.5° to 30°	81	12 x 30	12 x 54			115	12 x 36	12 x 63				2	2
	30° to 37.5°	83	12 x 30	12 x 60			102	12 x 33	12 x 66				2	2
	37.5° to 45°	88	12 x 30	12 x 69			96	12 x 30	12 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	101	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	138	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	87	12 x 30	12 x 39			136	12 x 39	12 x 48				2	2
	15° to 22.5°	81	12 x 30	12 x 45			135	12 x 42	12 x 57				2	2
	22.5° to 30°	78	12 x 33	12 x 54			109	12 x 39	12 x 63				2	2
	30° to 37.5°	79	12 x 30	12 x 60			97	12 x 33	12 x 66				2	2
	37.5° to 45°	85	12 x 30	12 x 69			92	12 x 30	12 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	97	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	132	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	83	12 x 30	12 x 39			131	12 x 39	12 x 51				2	2
	15° to 22.5°	78	12 x 33	12 x 45			129	12 x 45	12 x 57				2	2
	22.5° to 30°	74	12 x 33	12 x 57			104	12 x 39	12 x 66				2	2
	30° to 37.5°	76	12 x 30	12 x 63			92	12 x 36	12 x 69				2	2
	37.5° to 45°	81	12 x 30	12 x 72			87	12 x 33	18 x 60				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	94	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	127	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	80	12 x 33	12 x 42			126	12 x 42	12 x 51				2	2
	15° to 22.5°	75	12 x 33	12 x 48			123	12 x 45	12 x 60				2	2
	22.5° to 30°	71	12 x 33	12 x 57			99	12 x 42	12 x 66				2	2
	30° to 37.5°	73	12 x 33	12 x 63			88	12 x 36	12 x 69				2	2
	37.5° to 45°	78	12 x 33	12 x 72			83	12 x 33	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	119	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	74	12 x 33	12 x 42			116	12 x 45	12 x 57				2	2
	15° to 22.5°	69	12 x 36	12 x 51			113	12 x 48	12 x 63				2	2
	22.5° to 30°	66	12 x 36	12 x 60			91	12 x 45	12 x 69				2	2
	30° to 37.5°	67	12 x 36	12 x 66			81	12 x 39	12 x 72				2	2
	37.5° to 45°	72	12 x 33	18 x 63			76	12 x 36	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	111	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 36	12 x 45			108	12 x 48	12 x 60				2	2
	15° to 22.5°	64	12 x 39	12 x 51			104	18 x 60	12 x 66				2	2
	22.5° to 30°	61	12 x 39	12 x 63			84	12 x 45	12 x 72				2	2
	30° to 37.5°	63	12 x 36	12 x 69			75	12 x 42	18 x 63				2	2
	37.5° to 45°	67	12 x 36	18 x 66			71	12 x 36	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	104	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 39	12 x 48			101	18 x 60	12 x 63				2	2
	15° to 22.5°	60	12 x 42	12 x 54			97	18 x 60	12 x 69				2	2
	22.5° to 30°	57	12 x 42	12 x 63			78	12 x 48	18 x 60				2	2
	30° to 37.5°	58	12 x 39	12 x 72			69	12 x 42	18 x 63				2	2
	37.5° to 45°	63	12 x 39	18 x 69			65	12 x 39	18 x 69				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	72	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	98	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 39	12 x 51			95	18 x 60	12 x 66				2	2
	15° to 22.5°	56	12 x 42	12 x 54			90	18 x 60	12 x 69				2	2
	22.5° to 30°	54	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	55	12 x 42	18 x 60			65	12 x 45	18 x 66				2	2
	37.5° to 45°	59	12 x 39	18 x 72			61	12 x 42	18 x 72				2	2

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	68	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	92	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 42	12 x 54			90	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 45	12 x 57			85	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 45	12 x 69			68	18 x 60	18 x 66				2	2
	30° to 37.5°	52	12 x 42	18 x 63			61	12 x 48	18 x 69				2	2
	37.5° to 45°	55	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	64	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 54	12 x 54	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 45	12 x 54			85	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60			76	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 45	12 x 69			64	18 x 60	18 x 66				2	2
	30° to 37.5°	49	12 x 45	18 x 66			57	12 x 48	18 x 69				2	2
	37.5° to 45°	52	12 x 42	18 x 75			54	12 x 45	18 x 75				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			Ground Snow Load up to 10 psf	
			Pipe Beam Diameter: 1.5"					

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	95	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	129	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	88	12 x 30	12 x 36			139	12 x 33	12 x 42				2	2
	15° to 22.5°	88	12 x 30	12 x 45			151	12 x 39	12 x 54				2	2
	22.5° to 30°	85	12 x 30	12 x 51			121	12 x 36	12 x 60				2	2
	30° to 37.5°	87	12 x 30	12 x 57			108	12 x 30	12 x 63				2	2
	37.5° to 45°	92	12 x 30	12 x 66			102	12 x 30	12 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	94	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	128	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	86	12 x 30	12 x 36			135	12 x 36	12 x 45				2	2
	15° to 22.5°	85	12 x 30	12 x 45			143	12 x 42	12 x 57				2	2
	22.5° to 30°	81	12 x 30	12 x 54			115	12 x 36	12 x 63				2	2
	30° to 37.5°	83	12 x 30	12 x 60			102	12 x 33	12 x 66				2	2
	37.5° to 45°	88	12 x 30	12 x 69			96	12 x 30	12 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	92	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	124	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	83	12 x 30	12 x 36			131	12 x 36	12 x 48				2	2
	15° to 22.5°	81	12 x 30	12 x 45			135	12 x 42	12 x 57				2	2
	22.5° to 30°	78	12 x 33	12 x 54			109	12 x 39	12 x 63				2	2
	30° to 37.5°	79	12 x 30	12 x 60			97	12 x 33	12 x 66				2	2
	37.5° to 45°	85	12 x 30	12 x 69			92	12 x 30	12 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	122	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	81	12 x 30	12 x 39			127	12 x 39	12 x 51				2	2
	15° to 22.5°	78	12 x 33	12 x 45			129	12 x 45	12 x 57				2	2
	22.5° to 30°	74	12 x 33	12 x 57			104	12 x 39	12 x 66				2	2
	30° to 37.5°	76	12 x 30	12 x 63			92	12 x 36	12 x 69				2	2
	37.5° to 45°	81	12 x 30	12 x 72			87	12 x 33	18 x 60				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System										10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			Ground Snow Load up to 10 psf				
			Pipe Beam Diameter: 1.5"								

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	119	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	78	12 x 30	12 x 39			123	12 x 42	12 x 51				2	2
	15° to 22.5°	75	12 x 33	12 x 48			123	12 x 45	12 x 60				2	2
	22.5° to 30°	71	12 x 33	12 x 57			99	12 x 42	12 x 66				2	2
	30° to 37.5°	73	12 x 33	12 x 63			88	12 x 36	12 x 69				2	2
	37.5° to 45°	78	12 x 33	12 x 72			83	12 x 33	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	113	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	74	12 x 33	12 x 42			116	12 x 45	12 x 57				2	2
	15° to 22.5°	69	12 x 36	12 x 51			113	12 x 48	12 x 63				2	2
	22.5° to 30°	66	12 x 36	12 x 60			91	12 x 45	12 x 69				2	2
	30° to 37.5°	67	12 x 36	12 x 66			81	12 x 39	12 x 72				2	2
	37.5° to 45°	72	12 x 33	18 x 63			76	12 x 36	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	108	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 36	12 x 45			108	12 x 48	12 x 60				2	2
	15° to 22.5°	64	12 x 39	12 x 51			104	18 x 60	12 x 66				2	2
	22.5° to 30°	61	12 x 39	12 x 63			84	12 x 45	12 x 72				2	2
	30° to 37.5°	63	12 x 36	12 x 69			75	12 x 42	18 x 63				2	2
	37.5° to 45°	67	12 x 36	18 x 66			71	12 x 36	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	103	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 39	12 x 48			101	18 x 60	12 x 63				2	2
	15° to 22.5°	60	12 x 42	12 x 54			97	18 x 60	12 x 69				2	2
	22.5° to 30°	57	12 x 42	12 x 63			78	12 x 48	18 x 60				2	2
	30° to 37.5°	58	12 x 39	12 x 72			69	12 x 42	18 x 63				2	2
	37.5° to 45°	63	12 x 39	18 x 69			65	12 x 39	18 x 69				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			Ground Snow Load up to 10 psf	
			Pipe Beam Diameter: 1.5"					

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	72	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		98	12 x 48	12 x 48	Yes	Yes	Yes	2	2
7.5° to 15°	60	12 x 39	12 x 51				95	18 x 60	12 x 66				2	2
15° to 22.5°	56	12 x 42	12 x 54				90	18 x 60	12 x 69				2	2
22.5° to 30°	54	12 x 42	12 x 66				73	18 x 60	18 x 63				2	2
30° to 37.5°	55	12 x 42	18 x 60				65	12 x 45	18 x 66				2	2
37.5° to 45°	59	12 x 39	18 x 72				61	12 x 42	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	68	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		92	12 x 51	12 x 51	Yes	Yes	Yes	2	2
7.5° to 15°	57	12 x 42	12 x 54				90	18 x 60	18 x 60				2	2
15° to 22.5°	53	12 x 45	12 x 57				85	18 x 60	18 x 60				2	2
22.5° to 30°	50	12 x 45	12 x 69				68	18 x 60	18 x 66				2	2
30° to 37.5°	52	12 x 42	18 x 63				61	12 x 48	18 x 69				2	2
37.5° to 45°	55	12 x 42	18 x 72				57	12 x 42	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	64	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		87	12 x 54	12 x 54	Yes	Yes	Yes	2	2
7.5° to 15°	54	12 x 45	12 x 54				85	18 x 60	18 x 60				2	2
15° to 22.5°	50	12 x 45	12 x 60				76	18 x 60	18 x 60				2	2
22.5° to 30°	48	12 x 45	12 x 69				64	18 x 60	18 x 66				2	2
30° to 37.5°	49	12 x 45	18 x 66				57	12 x 48	18 x 69				2	2
37.5° to 45°	52	12 x 42	18 x 75				54	12 x 45	18 x 75				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	111	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	77	12 x 30	12 x 33			121	12 x 30	12 x 39				2	2
	15° to 22.5°	80	12 x 30	12 x 42			139	12 x 36	12 x 54				2	2
	22.5° to 30°	78	12 x 30	12 x 51			121	12 x 36	12 x 60				2	2
	30° to 37.5°	81	12 x 30	12 x 54			108	12 x 30	12 x 63				2	2
	37.5° to 45°	85	12 x 30	12 x 63			102	12 x 30	12 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	109	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	75	12 x 30	12 x 33			119	12 x 33	12 x 42				2	2
	15° to 22.5°	77	12 x 30	12 x 42			135	12 x 39	12 x 54				2	2
	22.5° to 30°	76	12 x 30	12 x 51			115	12 x 36	12 x 63				2	2
	30° to 37.5°	78	12 x 30	12 x 57			102	12 x 33	12 x 66				2	2
	37.5° to 45°	83	12 x 30	12 x 66			96	12 x 30	12 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	74	12 x 30	12 x 33			116	12 x 36	12 x 45				2	2
	15° to 22.5°	75	12 x 30	12 x 45			132	12 x 42	12 x 57				2	2
	22.5° to 30°	74	12 x 30	12 x 54			109	12 x 39	12 x 63				2	2
	30° to 37.5°	76	12 x 30	12 x 60			97	12 x 33	12 x 66				2	2
	37.5° to 45°	81	12 x 30	12 x 69			92	12 x 30	12 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	106	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 30	12 x 36			113	12 x 36	12 x 48				2	2
	15° to 22.5°	73	12 x 33	12 x 45			128	12 x 45	12 x 57				2	2
	22.5° to 30°	72	12 x 33	12 x 54			104	12 x 39	12 x 66				2	2
	30° to 37.5°	74	12 x 30	12 x 60			92	12 x 36	12 x 69				2	2
	37.5° to 45°	78	12 x 30	12 x 69			87	12 x 33	18 x 60				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	104	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 30	12 x 39			111	12 x 39	12 x 48				2	2
	15° to 22.5°	71	12 x 33	12 x 45			123	18 x 60	12 x 60				2	2
	22.5° to 30°	70	12 x 33	12 x 57			99	12 x 42	12 x 66				2	2
	30° to 37.5°	71	12 x 33	12 x 63			88	12 x 36	12 x 69				2	2
	37.5° to 45°	76	12 x 30	12 x 72			83	12 x 33	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	100	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 33	12 x 42			106	12 x 42	12 x 54				2	2
	15° to 22.5°	67	12 x 36	12 x 48			113	18 x 60	12 x 63				2	2
	22.5° to 30°	66	12 x 36	12 x 60			91	12 x 45	12 x 69				2	2
	30° to 37.5°	67	12 x 36	12 x 66			81	12 x 39	12 x 72				2	2
	37.5° to 45°	72	12 x 33	18 x 63			76	12 x 36	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	96	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 36	12 x 45			101	18 x 60	12 x 57				2	2
	15° to 22.5°	64	12 x 39	12 x 51			104	18 x 60	12 x 66				2	2
	22.5° to 30°	61	12 x 39	12 x 63			84	12 x 45	12 x 72				2	2
	30° to 37.5°	63	12 x 36	12 x 69			75	12 x 42	18 x 63				2	2
	37.5° to 45°	67	12 x 36	18 x 66			71	12 x 36	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 36	12 x 48			97	18 x 60	12 x 60				2	2
	15° to 22.5°	60	12 x 42	12 x 54			97	18 x 60	12 x 69				2	2
	22.5° to 30°	57	12 x 42	12 x 63			78	12 x 48	18 x 60				2	2
	30° to 37.5°	58	12 x 39	12 x 72			69	12 x 42	18 x 63				2	2
	37.5° to 45°	63	12 x 39	18 x 69			65	12 x 39	18 x 69				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	89	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 39	12 x 51			92	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 42	12 x 54			90	18 x 60	12 x 69				2	2
	22.5° to 30°	54	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	55	12 x 42	18 x 60			65	12 x 45	18 x 66				2	2
	37.5° to 45°	59	12 x 39	18 x 72			61	12 x 42	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	86	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 42	12 x 51			88	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 45	12 x 57			85	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 45	12 x 69			68	18 x 60	18 x 66				2	2
	30° to 37.5°	52	12 x 42	18 x 63			61	12 x 48	18 x 69				2	2
	37.5° to 45°	55	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 45	12 x 54			85	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60			76	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 45	12 x 69			64	18 x 60	18 x 66				2	2
	30° to 37.5°	49	12 x 45	18 x 66			57	12 x 48	18 x 69				2	2
	37.5° to 45°	52	12 x 42	18 x 75			54	12 x 45	18 x 75				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	79	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		107	12 x 30	12 x 30	Yes	Yes	Yes	2	2
7.5° to 15°	75	12 x 30	12 x 33			118	12 x 30	12 x 39	2				2	
15° to 22.5°	73	12 x 30	12 x 39			128	12 x 36	12 x 51	2				2	
22.5° to 30°	73	12 x 30	12 x 48			121	12 x 36	12 x 60	2				2	
30° to 37.5°	75	12 x 30	12 x 54			108	12 x 30	12 x 63	2				2	
37.5° to 45°	79	12 x 30	12 x 60			102	12 x 30	12 x 69	2				2	

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	78	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		106	12 x 30	12 x 30	Yes	Yes	Yes	2	2
7.5° to 15°	73	12 x 30	12 x 33			115	12 x 33	12 x 42	2				2	
15° to 22.5°	71	12 x 30	12 x 42			125	18 x 60	12 x 54	2				2	
22.5° to 30°	71	12 x 30	12 x 51			115	12 x 36	12 x 63	2				2	
30° to 37.5°	73	12 x 30	12 x 57			102	12 x 33	12 x 66	2				2	
37.5° to 45°	77	12 x 30	12 x 63			96	12 x 30	12 x 69	2				2	

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	76	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		104	12 x 30	12 x 30	Yes	Yes	Yes	2	2
7.5° to 15°	72	12 x 30	12 x 33			113	12 x 33	12 x 45	2				2	
15° to 22.5°	70	12 x 30	12 x 42			122	18 x 60	12 x 54	2				2	
22.5° to 30°	69	12 x 30	12 x 51			109	12 x 39	12 x 63	2				2	
30° to 37.5°	71	12 x 30	12 x 57			97	12 x 33	12 x 66	2				2	
37.5° to 45°	75	12 x 30	12 x 66			92	12 x 30	12 x 72	2				2	

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	75	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		102	12 x 30	12 x 30	Yes	Yes	Yes	2	2
7.5° to 15°	70	12 x 30	12 x 36			110	12 x 36	12 x 45	2				2	
15° to 22.5°	68	12 x 30	12 x 45			119	18 x 60	12 x 57	2				2	
22.5° to 30°	67	12 x 30	12 x 54			104	12 x 39	12 x 66	2				2	
30° to 37.5°	69	12 x 30	12 x 60			92	12 x 36	12 x 69	2				2	
37.5° to 45°	74	12 x 30	12 x 69			87	12 x 33	18 x 60	2				2	

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	100	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 30	12 x 36			108	12 x 39	12 x 48				2	2
	15° to 22.5°	66	12 x 33	12 x 45			116	18 x 60	12 x 57				2	2
	22.5° to 30°	65	12 x 33	12 x 54			99	12 x 42	12 x 66				2	2
	30° to 37.5°	67	12 x 30	12 x 60			88	12 x 36	12 x 69				2	2
	37.5° to 45°	72	12 x 30	12 x 69			83	12 x 33	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	97	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	66	12 x 33	12 x 39			103	12 x 42	12 x 51				2	2
	15° to 22.5°	63	12 x 36	12 x 48			111	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 36	12 x 57			91	12 x 45	12 x 69				2	2
	30° to 37.5°	64	12 x 33	12 x 66			81	12 x 39	12 x 72				2	2
	37.5° to 45°	68	12 x 33	18 x 63			76	12 x 36	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	94	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 33	12 x 42			99	18 x 60	12 x 57				2	2
	15° to 22.5°	60	12 x 36	12 x 51			104	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 39	12 x 60			84	12 x 45	12 x 72				2	2
	30° to 37.5°	61	12 x 36	12 x 69			75	12 x 42	18 x 63				2	2
	37.5° to 45°	65	12 x 36	18 x 66			71	12 x 36	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 36	12 x 45			95	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 39	12 x 51			97	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 39	12 x 63			78	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 39	12 x 72			69	12 x 42	18 x 63				2	2
	37.5° to 45°	62	12 x 39	18 x 69			65	12 x 39	18 x 69				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 39	12 x 48			91	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 42	12 x 54			90	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	55	12 x 42	18 x 60			65	12 x 45	18 x 66				2	2
	37.5° to 45°	59	12 x 39	18 x 72			61	12 x 42	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 42	12 x 51			87	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 45	12 x 57			85	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 45	12 x 69			68	18 x 60	18 x 66				2	2
	30° to 37.5°	52	12 x 42	18 x 63			61	12 x 48	18 x 69				2	2
	37.5° to 45°	55	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 42	12 x 54			84	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60			76	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 45	12 x 69			64	18 x 60	18 x 66				2	2
	30° to 37.5°	49	12 x 45	18 x 66			57	12 x 48	18 x 69				2	2
	37.5° to 45°	52	12 x 42	18 x 75			54	12 x 45	18 x 75				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	98	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 30	12 x 30			109	12 x 30	12 x 39				2	2
	15° to 22.5°	68	12 x 30	12 x 39			119	18 x 60	12 x 51				2	2
	22.5° to 30°	68	12 x 30	12 x 48			121	18 x 60	12 x 60				2	2
	30° to 37.5°	70	12 x 30	12 x 51			108	12 x 30	12 x 63				2	2
	37.5° to 45°	74	12 x 30	12 x 60			102	12 x 30	12 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	97	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 30	12 x 33			107	12 x 30	12 x 39				2	2
	15° to 22.5°	67	12 x 30	12 x 39			117	18 x 60	18 x 60				2	2
	22.5° to 30°	66	12 x 30	12 x 48			115	18 x 60	12 x 63				2	2
	30° to 37.5°	68	12 x 30	12 x 54			102	12 x 33	12 x 66				2	2
	37.5° to 45°	73	12 x 30	12 x 63			96	12 x 30	12 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	96	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 30	12 x 33			105	12 x 33	12 x 42				2	2
	15° to 22.5°	65	12 x 30	12 x 42			114	18 x 60	18 x 60				2	2
	22.5° to 30°	65	12 x 30	12 x 51			109	18 x 60	12 x 63				2	2
	30° to 37.5°	67	12 x 30	12 x 57			97	12 x 33	12 x 66				2	2
	37.5° to 45°	71	12 x 30	12 x 63			92	12 x 30	12 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	94	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 30	12 x 33			103	12 x 36	12 x 45				2	2
	15° to 22.5°	64	12 x 30	12 x 42			112	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 30	12 x 51			104	18 x 60	12 x 66				2	2
	30° to 37.5°	65	12 x 30	12 x 57			92	12 x 36	12 x 69				2	2
	37.5° to 45°	69	12 x 30	12 x 66			87	12 x 33	18 x 60				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	68	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			93	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 30	12 x 36					101	18 x 60	12 x 45				2	2
	15° to 22.5°	63	12 x 30	12 x 45					110	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 30	12 x 54					99	18 x 60	12 x 66				2	2
	30° to 37.5°	64	12 x 30	12 x 60					88	12 x 36	12 x 69				2	2
	37.5° to 45°	68	12 x 30	12 x 69					83	12 x 33	18 x 63				2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	66	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			90	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 30	12 x 39					97	18 x 60	12 x 51				2	2
	15° to 22.5°	60	12 x 33	12 x 48					105	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 33	12 x 57					91	18 x 60	12 x 69				2	2
	30° to 37.5°	61	12 x 33	12 x 63					81	12 x 39	12 x 72				2	2
	37.5° to 45°	65	12 x 33	12 x 72					76	12 x 36	18 x 66				2	2

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	64	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			87	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 33	12 x 42					93	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 36	12 x 48					101	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 36	12 x 60					84	18 x 60	12 x 72				2	2
	30° to 37.5°	58	12 x 36	12 x 66					75	12 x 42	18 x 63				2	2
	37.5° to 45°	62	12 x 33	18 x 63					71	12 x 36	18 x 66				2	2

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	62	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			85	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 36	12 x 45					90	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 39	12 x 51					93	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 39	12 x 63					78	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 39	12 x 69					69	12 x 42	18 x 63				2	2
	37.5° to 45°	59	12 x 36	18 x 66					65	12 x 39	18 x 69				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 39	12 x 48			87	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 42	12 x 54			85	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	53	12 x 39	12 x 72			65	12 x 45	18 x 66				2	2
	37.5° to 45°	57	12 x 39	18 x 69			61	12 x 42	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 39	12 x 51			83	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 42	12 x 57			78	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 45	12 x 69			68	18 x 60	18 x 66				2	2
	30° to 37.5°	51	12 x 42	18 x 63			61	12 x 48	18 x 69				2	2
	37.5° to 45°	54	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 42	12 x 54			79	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 45	12 x 57			72	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 45	12 x 69			64	18 x 60	18 x 66				2	2
	30° to 37.5°	49	12 x 45	18 x 66			57	12 x 48	18 x 69				2	2
	37.5° to 45°	52	12 x 42	18 x 75			54	12 x 45	18 x 75				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 30	12 x 33			102	18 x 60	12 x 39				2	2
	15° to 22.5°	64	12 x 30	12 x 39			112	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 30	12 x 45			121	18 x 60	18 x 60				2	2
	30° to 37.5°	66	12 x 30	12 x 51			108	18 x 60	12 x 63				2	2
	37.5° to 45°	70	12 x 30	12 x 57			102	12 x 30	12 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 30	12 x 33			100	18 x 60	12 x 42				2	2
	15° to 22.5°	63	12 x 30	12 x 39			110	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 30	12 x 48			115	18 x 60	18 x 60				2	2
	30° to 37.5°	65	12 x 30	12 x 54			102	18 x 60	12 x 66				2	2
	37.5° to 45°	69	12 x 30	12 x 60			96	12 x 30	12 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	89	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 30	12 x 33			98	18 x 60	12 x 42				2	2
	15° to 22.5°	62	12 x 30	12 x 39			108	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 30	12 x 48			109	18 x 60	18 x 60				2	2
	30° to 37.5°	63	12 x 30	12 x 54			97	12 x 33	12 x 66				2	2
	37.5° to 45°	67	12 x 30	12 x 63			92	12 x 30	12 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 30	12 x 36			97	18 x 60	18 x 60				2	2
	15° to 22.5°	61	12 x 30	12 x 42			106	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 30	12 x 51			104	18 x 60	18 x 60				2	2
	30° to 37.5°	62	12 x 30	12 x 57			92	12 x 36	12 x 69				2	2
	37.5° to 45°	66	12 x 30	12 x 66			87	12 x 33	18 x 60				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	64	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		87	12 x 30	12 x 39	Yes	Yes	Yes	2	2
7.5° to 15°	61	12 x 30	12 x 36				95	18 x 60	18 x 60				2	2
15° to 22.5°	59	12 x 30	12 x 42				104	18 x 60	18 x 60				2	2
22.5° to 30°	59	12 x 30	12 x 51				99	18 x 60	18 x 60				2	2
30° to 37.5°	61	12 x 30	12 x 57				88	12 x 36	12 x 69				2	2
37.5° to 45°	65	12 x 30	12 x 66				83	12 x 33	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	62	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		85	12 x 33	12 x 36	Yes	Yes	Yes	2	2
7.5° to 15°	58	12 x 30	12 x 39				92	18 x 60	18 x 60				2	2
15° to 22.5°	57	12 x 33	12 x 45				99	18 x 60	18 x 60				2	2
22.5° to 30°	57	12 x 33	12 x 54				91	18 x 60	18 x 60				2	2
30° to 37.5°	58	12 x 33	12 x 63				81	12 x 39	12 x 72				2	2
37.5° to 45°	62	12 x 30	12 x 72				76	12 x 36	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	61	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		82	12 x 36	12 x 36	Yes	Yes	Yes	2	2
7.5° to 15°	56	12 x 33	12 x 42				89	18 x 60	18 x 60				2	2
15° to 22.5°	55	12 x 36	12 x 48				92	18 x 60	18 x 60				2	2
22.5° to 30°	54	12 x 36	12 x 57				84	18 x 60	18 x 60				2	2
30° to 37.5°	56	12 x 36	12 x 66				75	12 x 42	18 x 63				2	2
37.5° to 45°	60	12 x 33	18 x 63				71	12 x 36	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	59	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		80	12 x 39	12 x 39	Yes	Yes	Yes	2	2
7.5° to 15°	55	12 x 36	12 x 45				86	18 x 60	18 x 60				2	2
15° to 22.5°	53	12 x 39	12 x 51				85	18 x 60	18 x 60				2	2
22.5° to 30°	52	12 x 39	12 x 60				78	18 x 60	18 x 60				2	2
30° to 37.5°	54	12 x 36	12 x 69				69	12 x 42	18 x 63				2	2
37.5° to 45°	57	12 x 36	18 x 66				65	12 x 39	18 x 69				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	78	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 36	12 x 48			83	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 39	12 x 54			79	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 42	12 x 63			73	18 x 60	18 x 63				2	2
	30° to 37.5°	51	12 x 39	12 x 72			65	18 x 60	18 x 66				2	2
	37.5° to 45°	55	12 x 39	18 x 69			61	12 x 42	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 39	12 x 48			79	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 42	12 x 54			73	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 42	12 x 66			68	18 x 60	18 x 66				2	2
	30° to 37.5°	49	12 x 42	18 x 63			61	18 x 60	18 x 69				2	2
	37.5° to 45°	53	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 42	12 x 51			73	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 45	12 x 57			68	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 45	12 x 69			64	18 x 60	18 x 66				2	2
	30° to 37.5°	47	12 x 45	18 x 63			57	18 x 60	18 x 69				2	2
	37.5° to 45°	51	12 x 42	18 x 75			54	12 x 45	18 x 75				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 30	12 x 33			96	18 x 60	18 x 60				2	2
	15° to 22.5°	61	12 x 30	12 x 39			106	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 30	12 x 45			112	18 x 60	18 x 60				2	2
	30° to 37.5°	63	12 x 30	12 x 51			108	18 x 60	18 x 60				2	2
	37.5° to 45°	67	12 x 30	12 x 57			102	12 x 30	12 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 30	12 x 33			95	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 30	12 x 39			104	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 30	12 x 45			108	18 x 60	18 x 60				2	2
	30° to 37.5°	62	12 x 30	12 x 51			102	18 x 60	18 x 60				2	2
	37.5° to 45°	65	12 x 30	12 x 60			96	12 x 30	12 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 30	12 x 33			93	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 30	12 x 39			102	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 30	12 x 48			104	18 x 60	18 x 60				2	2
	30° to 37.5°	61	12 x 30	12 x 54			97	18 x 60	18 x 60				2	2
	37.5° to 45°	64	12 x 30	12 x 60			92	12 x 30	12 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 36			92	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 30	12 x 42			101	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 30	12 x 51			101	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 30	12 x 54			92	18 x 60	12 x 69				2	2
	37.5° to 45°	63	12 x 30	12 x 63			87	12 x 33	18 x 60				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 36			90	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 30	12 x 42			97	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 51			97	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 57			88	18 x 60	12 x 69				2	2
	37.5° to 45°	62	12 x 30	12 x 66			83	12 x 33	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	12 x 33	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 36			88	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 33	12 x 45			91	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 33	12 x 54			90	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 60			81	18 x 60	12 x 72				2	2
	37.5° to 45°	60	12 x 30	12 x 69			76	12 x 36	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	78	12 x 36	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 39			85	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 33	12 x 48			85	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 36	12 x 57			83	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 33	12 x 63			75	18 x 60	18 x 63				2	2
	37.5° to 45°	57	12 x 33	18 x 60			71	12 x 36	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 33	12 x 42			82	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 36	12 x 51			79	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 39	12 x 60			77	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 36	12 x 69			69	18 x 60	18 x 63				2	2
	37.5° to 45°	55	12 x 36	18 x 66			65	12 x 39	18 x 69				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 36	12 x 45			78	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 39	12 x 51			73	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 39	12 x 63			71	18 x 60	18 x 63				2	2
	30° to 37.5°	50	12 x 39	12 x 72			65	18 x 60	18 x 66				2	2
	37.5° to 45°	53	12 x 39	18 x 69			61	12 x 42	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 39	12 x 48			73	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 42	12 x 54			68	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 42	12 x 66			66	18 x 60	18 x 63				2	2
	30° to 37.5°	48	12 x 42	18 x 60			61	18 x 60	18 x 69				2	2
	37.5° to 45°	51	12 x 39	18 x 69			57	12 x 42	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 42	12 x 51			68	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 45	12 x 57			64	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 45	12 x 69			61	18 x 60	18 x 66				2	2
	30° to 37.5°	46	12 x 42	18 x 63			57	18 x 60	18 x 69				2	2
	37.5° to 45°	49	12 x 42	18 x 72			54	12 x 45	18 x 75				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 36			91	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 30	12 x 39			101	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 30	12 x 42			102	18 x 60	18 x 60				2	2
	30° to 37.5°	60	12 x 30	12 x 48			108	18 x 60	18 x 60				2	2
	37.5° to 45°	64	12 x 30	12 x 54			102	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 36			90	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 30	12 x 39			98	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 30	12 x 45			99	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 30	12 x 51			102	18 x 60	18 x 60				2	2
	37.5° to 45°	63	12 x 30	12 x 57			96	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 33			89	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 30	12 x 39			95	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 48			96	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 51			97	18 x 60	18 x 60				2	2
	37.5° to 45°	62	12 x 30	12 x 60			92	12 x 30	12 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 36			87	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 30	12 x 39			92	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 30	12 x 48			92	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 30	12 x 54			92	18 x 60	18 x 60				2	2
	37.5° to 45°	61	12 x 30	12 x 63			87	12 x 33	18 x 60				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 36			86	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 42			89	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 30	12 x 51			89	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 57			88	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 30	12 x 63			83	12 x 33	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 30	12 x 36			84	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 30	12 x 45			84	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 33	12 x 54			83	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 60			81	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 69			76	12 x 36	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 30	12 x 39			81	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 33	12 x 45			78	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 36	12 x 57			77	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 33	12 x 63			75	18 x 60	18 x 63				2	2
	37.5° to 45°	55	12 x 33	12 x 72			71	12 x 36	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 33	12 x 42			77	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 36	12 x 48			73	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 36	12 x 60			72	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 36	12 x 66			69	18 x 60	18 x 63				2	2
	37.5° to 45°	53	12 x 36	18 x 63			65	12 x 39	18 x 69				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	71	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 36	12 x 45			72	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 39	12 x 51			69	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 39	12 x 63			67	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 39	12 x 69			65	18 x 60	18 x 66				2	2
	37.5° to 45°	52	12 x 36	18 x 66			61	12 x 42	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 39	12 x 48			68	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 42	12 x 54			64	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 42	12 x 66			62	18 x 60	18 x 63				2	2
	30° to 37.5°	47	12 x 39	12 x 72			61	18 x 60	18 x 69				2	2
	37.5° to 45°	50	12 x 39	18 x 69			57	12 x 42	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 39	12 x 51			64	18 x 60	18 x 60				2	2
	15° to 22.5°	44	12 x 42	12 x 57			60	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 45	12 x 69			58	18 x 60	18 x 63				2	2
	30° to 37.5°	45	12 x 42	18 x 63			57	18 x 60	18 x 69				2	2
	37.5° to 45°	48	12 x 42	18 x 72			54	12 x 45	18 x 75				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 36			85	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 30	12 x 39			92	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 30	12 x 42			94	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 48			101	18 x 60	18 x 60				2	2
	37.5° to 45°	61	12 x 30	12 x 54			102	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 36			85	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 39			90	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 30	12 x 45			91	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 30	12 x 51			98	18 x 60	18 x 60				2	2
	37.5° to 45°	60	12 x 30	12 x 57			96	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 36			85	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 39			87	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 30	12 x 45			88	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 51			95	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 30	12 x 60			92	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 30	12 x 36			84	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 30	12 x 39			85	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 48			85	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 54			92	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 60			87	18 x 60	18 x 60				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 30	12 x 36			83	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 30	12 x 42			82	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 30	12 x 48			83	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 54			88	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 63			83	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 30	12 x 36			80	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 30	12 x 42			78	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 30	12 x 54			77	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 30	12 x 60			81	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 30	12 x 69			76	18 x 60	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	71	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 30	12 x 39			75	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 33	12 x 45			73	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 33	12 x 57			72	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 33	12 x 63			75	18 x 60	18 x 63				2	2
	37.5° to 45°	54	12 x 33	12 x 72			71	18 x 60	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	12 x 33	12 x 42			71	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 36	12 x 48			69	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 36	12 x 60			68	18 x 60	18 x 60				2	2
	30° to 37.5°	49	12 x 36	12 x 66			69	18 x 60	18 x 63				2	2
	37.5° to 45°	52	12 x 33	18 x 63			65	18 x 60	18 x 69				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 36	12 x 45			68	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 39	12 x 51			64	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 39	12 x 60			63	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 39	12 x 69			65	18 x 60	18 x 66				2	2
	37.5° to 45°	50	12 x 36	18 x 66			61	18 x 60	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 36	12 x 48			64	18 x 60	18 x 60				2	2
	15° to 22.5°	45	12 x 39	12 x 54			61	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 42	12 x 63			59	18 x 60	18 x 60				2	2
	30° to 37.5°	45	12 x 39	12 x 72			61	18 x 60	18 x 69				2	2
	37.5° to 45°	48	12 x 39	18 x 69			57	18 x 60	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	44	12 x 39	12 x 48			60	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 42	12 x 54			57	18 x 60	18 x 60				2	2
	22.5° to 30°	43	12 x 45	12 x 66			55	18 x 60	18 x 63				2	2
	30° to 37.5°	44	12 x 42	18 x 63			57	18 x 60	18 x 69				2	2
	37.5° to 45°	47	12 x 42	18 x 72			54	18 x 60	18 x 75				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 30	12 x 36			80	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 30	12 x 36			83	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 42			87	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 48			93	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 30	12 x 54			102	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 30	12 x 36			80	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 30	12 x 39			83	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 45			84	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 48			90	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 57			96	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 30	12 x 36			80	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 30	12 x 39			81	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 30	12 x 45			82	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 51			88	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 57			92	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 30	12 x 36			79	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 30	12 x 39			78	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 30	12 x 48			79	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 30	12 x 54			85	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 60			87	18 x 60	18 x 60				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 30	12 x 36				77	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 30	12 x 42				76	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 30	12 x 48				77	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 30	12 x 54				83	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 30	12 x 63				83	18 x 60	18 x 63				2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36				74	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 30	12 x 42				72	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 30	12 x 51				72	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 30	12 x 57				78	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 66				76	18 x 60	18 x 66				2	2

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	50	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	12 x 30	12 x 36				70	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 33	12 x 45				68	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 33	12 x 54				68	18 x 60	18 x 60				2	2
	30° to 37.5°	49	12 x 33	12 x 63				73	18 x 60	18 x 60				2	2
	37.5° to 45°	52	12 x 30	12 x 72				71	18 x 60	18 x 66				2	2

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	49	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 33	12 x 39				67	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 36	12 x 48				64	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 36	12 x 57				64	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 36	12 x 66				68	18 x 60	18 x 63				2	2
	37.5° to 45°	50	12 x 33	18 x 63				65	18 x 60	18 x 69				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	66	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 33	12 x 42			63	18 x 60	18 x 60				2	2
	15° to 22.5°	45	12 x 36	12 x 51			61	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 39	12 x 60			60	18 x 60	18 x 60				2	2
	30° to 37.5°	46	12 x 36	12 x 69			64	18 x 60	18 x 66				2	2
	37.5° to 45°	49	12 x 36	18 x 66			61	18 x 60	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	64	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	44	12 x 36	12 x 45			60	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 39	12 x 51			57	18 x 60	18 x 60				2	2
	22.5° to 30°	43	12 x 42	12 x 63			56	18 x 60	18 x 60				2	2
	30° to 37.5°	44	12 x 39	12 x 72			60	18 x 60	18 x 69				2	2
	37.5° to 45°	47	12 x 39	18 x 69			57	18 x 60	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	63	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	43	12 x 39	12 x 48			57	18 x 60	18 x 60				2	2
	15° to 22.5°	42	12 x 42	12 x 54			54	18 x 60	18 x 60				2	2
	22.5° to 30°	42	12 x 42	12 x 66			53	18 x 60	18 x 60				2	2
	30° to 37.5°	43	12 x 42	18 x 63			56	18 x 60	18 x 69				2	2
	37.5° to 45°	46	12 x 39	18 x 72			54	18 x 60	18 x 75				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36			72	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 30	12 x 36			75	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 30	12 x 42			80	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 30	12 x 45			87	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 54			97	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36			72	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 30	12 x 39			75	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 30	12 x 42			78	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 30	12 x 48			84	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 54			95	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36			72	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 30	12 x 39			75	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 30	12 x 45			76	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 30	12 x 51			82	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 30	12 x 57			92	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36			72	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 30	12 x 39			73	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 30	12 x 45			74	18 x 60	18 x 60				2	2
	30° to 37.5°	51	12 x 30	12 x 51			80	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 60			87	18 x 60	18 x 60				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36			72	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 30	12 x 42			71	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 30	12 x 48			72	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 30	12 x 54			77	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 60			83	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	12 x 30	12 x 36			69	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 30	12 x 42			68	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 30	12 x 51			68	18 x 60	18 x 60				2	2
	30° to 37.5°	49	12 x 30	12 x 57			73	18 x 60	18 x 60				2	2
	37.5° to 45°	52	12 x 30	12 x 66			76	18 x 60	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 30	12 x 36			66	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 33	12 x 45			64	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 33	12 x 54			64	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 33	12 x 60			69	18 x 60	18 x 60				2	2
	37.5° to 45°	51	12 x 30	12 x 69			71	18 x 60	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	45	12 x 30	12 x 39			63	18 x 60	18 x 60				2	2
	15° to 22.5°	45	12 x 33	12 x 48			61	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 36	12 x 57			60	18 x 60	18 x 60				2	2
	30° to 37.5°	46	12 x 33	12 x 63			65	18 x 60	18 x 63				2	2
	37.5° to 45°	49	12 x 33	18 x 60			65	18 x 60	18 x 69				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	63	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	44	12 x 33	12 x 42			60	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 36	12 x 48			57	18 x 60	18 x 60				2	2
	22.5° to 30°	43	12 x 39	12 x 60			57	18 x 60	18 x 60				2	2
	30° to 37.5°	45	12 x 36	12 x 66			61	18 x 60	18 x 63				2	2
	37.5° to 45°	48	12 x 36	18 x 63			61	18 x 60	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	43	12 x 36	12 x 45			57	18 x 60	18 x 60				2	2
	15° to 22.5°	42	12 x 39	12 x 51			54	18 x 60	18 x 60				2	2
	22.5° to 30°	42	12 x 39	12 x 63			53	18 x 60	18 x 60				2	2
	30° to 37.5°	43	12 x 39	12 x 69			57	18 x 60	18 x 66				2	2
	37.5° to 45°	46	12 x 36	18 x 66			57	18 x 60	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	61	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	42	12 x 39	12 x 48			54	18 x 60	18 x 60				2	2
	15° to 22.5°	41	18 x 60	12 x 54			51	18 x 60	18 x 60				2	2
	22.5° to 30°	41	18 x 60	12 x 66			50	18 x 60	18 x 60				2	2
	30° to 37.5°	42	12 x 42	12 x 72			54	18 x 60	18 x 69				2	2
	37.5° to 45°	45	12 x 39	18 x 69			54	18 x 60	18 x 75				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 110 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 30	12 x 36			66	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 30	12 x 36			69	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 30	12 x 39			73	18 x 60	18 x 60				2	2
	30° to 37.5°	51	12 x 30	12 x 45			80	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 51			89	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 30	12 x 36			66	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 30	12 x 39			69	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 30	12 x 42			73	18 x 60	18 x 60				2	2
	30° to 37.5°	51	12 x 30	12 x 48			79	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 54			89	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 30	12 x 36			66	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 30	12 x 39			69	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 30	12 x 45			71	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 30	12 x 48			77	18 x 60	18 x 60				2	2
	37.5° to 45°	53	12 x 30	12 x 57			87	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 30	12 x 36			66	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 30	12 x 39			68	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 30	12 x 45			70	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 30	12 x 51			75	18 x 60	18 x 60				2	2
	37.5° to 45°	53	12 x 30	12 x 57			84	18 x 60	18 x 60				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 110 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 30	12 x 36			66	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 30	12 x 42			67	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 30	12 x 48			68	18 x 60	18 x 60				2	2
	30° to 37.5°	49	12 x 30	12 x 54			73	18 x 60	18 x 60				2	2
	37.5° to 45°	52	12 x 30	12 x 60			82	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 30	12 x 36			64	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 30	12 x 42			64	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 30	12 x 51			64	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 30	12 x 57			69	18 x 60	18 x 60				2	2
	37.5° to 45°	51	12 x 30	12 x 66			76	18 x 60	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	45	12 x 30	12 x 36			62	18 x 60	18 x 60				2	2
	15° to 22.5°	45	12 x 30	12 x 45			60	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 33	12 x 54			61	18 x 60	18 x 60				2	2
	30° to 37.5°	46	12 x 30	12 x 60			65	18 x 60	18 x 60				2	2
	37.5° to 45°	49	12 x 30	12 x 69			71	18 x 60	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	44	12 x 30	12 x 39			59	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 33	12 x 45			57	18 x 60	18 x 60				2	2
	22.5° to 30°	43	12 x 36	12 x 57			57	18 x 60	18 x 60				2	2
	30° to 37.5°	45	12 x 33	12 x 63			61	18 x 60	18 x 60				2	2
	37.5° to 45°	48	12 x 33	12 x 72			65	18 x 60	18 x 69				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	45	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		61	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	43	12 x 33	12 x 42				56	18 x 60	18 x 60				2	2
15° to 22.5°	42	12 x 36	12 x 48				54	18 x 60	18 x 60				2	2
22.5° to 30°	42	12 x 36	12 x 60				54	18 x 60	18 x 60				2	2
30° to 37.5°	44	12 x 36	12 x 66				58	18 x 60	18 x 63				2	2
37.5° to 45°	46	12 x 36	18 x 63				61	18 x 60	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	44	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		60	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	42	12 x 36	12 x 45				54	18 x 60	18 x 60				2	2
15° to 22.5°	41	18 x 60	12 x 51				52	18 x 60	18 x 60				2	2
22.5° to 30°	41	18 x 60	12 x 63				51	18 x 60	18 x 60				2	2
30° to 37.5°	42	12 x 39	12 x 69				55	18 x 60	18 x 66				2	2
37.5° to 45°	45	12 x 36	18 x 66				57	18 x 60	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	44	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		58	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	41	18 x 60	12 x 48				51	18 x 60	18 x 60				2	2
15° to 22.5°	40	18 x 60	12 x 54				49	18 x 60	18 x 60				2	2
22.5° to 30°	40	18 x 60	12 x 66				48	18 x 60	18 x 60				2	2
30° to 37.5°	41	18 x 60	12 x 72				51	18 x 60	18 x 66				2	2
37.5° to 45°	44	12 x 39	18 x 69				54	18 x 60	18 x 75				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	45	12 x 30	12 x 36				61	18 x 60	18 x 60				2	2
15° to 22.5°	46	12 x 30	12 x 36				63	18 x 60	18 x 60				2	2
22.5° to 30°	47	12 x 30	12 x 39				67	18 x 60	18 x 60				2	2
30° to 37.5°	49	12 x 30	12 x 45				73	18 x 60	18 x 60				2	2
37.5° to 45°	52	12 x 30	12 x 51				82	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	45	12 x 30	12 x 36				61	18 x 60	18 x 60				2	2
15° to 22.5°	46	12 x 30	12 x 39				63	18 x 60	18 x 60				2	2
22.5° to 30°	47	12 x 30	12 x 42				67	18 x 60	18 x 60				2	2
30° to 37.5°	49	12 x 30	12 x 48				73	18 x 60	18 x 60				2	2
37.5° to 45°	52	12 x 30	12 x 54				82	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	45	12 x 30	12 x 36				61	18 x 60	18 x 60				2	2
15° to 22.5°	46	12 x 30	12 x 39				63	18 x 60	18 x 60				2	2
22.5° to 30°	47	12 x 30	12 x 42				67	18 x 60	18 x 60				2	2
30° to 37.5°	49	12 x 30	12 x 48				72	18 x 60	18 x 60				2	2
37.5° to 45°	52	12 x 30	12 x 54				81	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	45	12 x 30	12 x 36				61	18 x 60	18 x 60				2	2
15° to 22.5°	46	12 x 30	12 x 39				63	18 x 60	18 x 60				2	2
22.5° to 30°	46	12 x 30	12 x 45				66	18 x 60	18 x 60				2	2
30° to 37.5°	48	12 x 30	12 x 51				71	18 x 60	18 x 60				2	2
37.5° to 45°	51	12 x 30	12 x 57				79	18 x 60	18 x 60				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	45	12 x 30	12 x 36			61	18 x 60	18 x 60				2	2
	15° to 22.5°	45	12 x 30	12 x 42			63	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 30	12 x 48			64	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 30	12 x 51			69	18 x 60	18 x 60				2	2
	37.5° to 45°	50	12 x 30	12 x 60			78	18 x 60	18 x 60				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	45	12 x 30	12 x 36			61	18 x 60	18 x 60				2	2
	15° to 22.5°	44	12 x 30	12 x 42			60	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 30	12 x 51			61	18 x 60	18 x 60				2	2
	30° to 37.5°	46	12 x 30	12 x 57			65	18 x 60	18 x 60				2	2
	37.5° to 45°	49	12 x 30	12 x 63			74	18 x 60	18 x 63				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	44	12 x 30	12 x 36			58	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 30	12 x 45			57	18 x 60	18 x 60				2	2
	22.5° to 30°	43	12 x 33	12 x 54			58	18 x 60	18 x 60				2	2
	30° to 37.5°	45	12 x 30	12 x 60			62	18 x 60	18 x 60				2	2
	37.5° to 45°	48	12 x 30	12 x 69			70	18 x 60	18 x 66				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	43	12 x 30	12 x 39			56	18 x 60	18 x 60				2	2
	15° to 22.5°	42	12 x 33	12 x 45			54	18 x 60	18 x 60				2	2
	22.5° to 30°	42	12 x 33	12 x 57			55	18 x 60	18 x 60				2	2
	30° to 37.5°	44	12 x 33	12 x 63			58	18 x 60	18 x 60				2	2
	37.5° to 45°	47	12 x 33	12 x 72			65	18 x 60	18 x 69				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F	2	2
	7.5° to 15°	42	12 x 33	12 x 42						58	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	15° to 22.5°	41	12 x 36	12 x 48						53	18 x 60	18 x 60				2	2
	22.5° to 30°	41	18 x 60	12 x 60						52	18 x 60	18 x 60				2	2
	30° to 37.5°	43	12 x 36	12 x 66						52	18 x 60	18 x 60				2	2
	37.5° to 45°	45	12 x 33	18 x 63						55	18 x 60	18 x 63				2	2
										61	18 x 60	18 x 72				2	2

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	43	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F	2	2
	7.5° to 15°	41	18 x 60	12 x 45						57	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	15° to 22.5°	40	18 x 60	12 x 51						51	18 x 60	18 x 60				2	2
	22.5° to 30°	40	18 x 60	12 x 60						49	18 x 60	18 x 60				2	2
	30° to 37.5°	41	12 x 39	12 x 69						49	18 x 60	18 x 60				2	2
	37.5° to 45°	44	12 x 36	18 x 66						52	18 x 60	18 x 63				2	2
										57	18 x 60	18 x 75				2	2

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	42	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F	2	2
	7.5° to 15°	40	18 x 60	12 x 45						55	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	15° to 22.5°	39	18 x 60	12 x 51						49	18 x 60	18 x 60				2	2
	22.5° to 30°	39	18 x 60	12 x 63						47	18 x 60	18 x 60				2	2
	30° to 37.5°	40	18 x 60	12 x 72						46	18 x 60	18 x 60				2	2
	37.5° to 45°	43	12 x 39	18 x 69						49	18 x 60	18 x 66				2	2
										54	18 x 60	18 x 75				2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	93	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	132	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	82	12 x 30	12 x 39			137	12 x 39	12 x 51				2	2
	15° to 22.5°	77	12 x 30	12 x 48			130	12 x 42	12 x 60				2	2
	22.5° to 30°	73	12 x 33	12 x 54			105	12 x 39	12 x 63				2	2
	30° to 37.5°	75	12 x 30	12 x 60			93	12 x 33	12 x 66				2	2
	37.5° to 45°	80	12 x 30	12 x 69			88	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	129	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	78	12 x 30	12 x 39			131	12 x 42	12 x 54				2	2
	15° to 22.5°	73	12 x 33	12 x 48			123	12 x 45	12 x 60				2	2
	22.5° to 30°	70	12 x 33	12 x 57			99	12 x 39	12 x 66				2	2
	30° to 37.5°	72	12 x 30	12 x 63			88	12 x 36	12 x 69				2	2
	37.5° to 45°	76	12 x 30	12 x 72			83	12 x 33	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	88	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	124	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	75	12 x 33	12 x 42			125	12 x 42	12 x 54				2	2
	15° to 22.5°	70	12 x 33	12 x 48			117	12 x 45	12 x 60				2	2
	22.5° to 30°	67	12 x 33	12 x 57			94	12 x 42	12 x 66				2	2
	30° to 37.5°	69	12 x 33	12 x 66			84	12 x 36	12 x 72				2	2
	37.5° to 45°	73	12 x 33	18 x 63			79	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	84	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	119	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 33	12 x 42			120	12 x 45	12 x 57				2	2
	15° to 22.5°	67	12 x 36	12 x 48			112	18 x 60	12 x 63				2	2
	22.5° to 30°	64	12 x 36	12 x 60			90	12 x 45	12 x 69				2	2
	30° to 37.5°	66	12 x 33	12 x 66			80	12 x 39	12 x 72				2	2
	37.5° to 45°	70	12 x 33	18 x 63			76	12 x 33	18 x 66				2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	81	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	115	12 x 42	12 x 42	Yes	Yes	Yes	2	2			
	7.5° to 15°	69	12 x 33	12 x 45									115	12 x 45	12 x 60	2	2
	15° to 22.5°	65	12 x 36	12 x 51									107	18 x 60	12 x 63	2	2
	22.5° to 30°	62	12 x 36	12 x 60									86	12 x 45	12 x 69	2	2
	30° to 37.5°	63	12 x 36	12 x 69									76	12 x 39	18 x 60	2	2
	37.5° to 45°	67	12 x 33	18 x 66									72	12 x 36	18 x 66	2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	75	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 45	12 x 45	Yes	Yes	Yes	2	2			
	7.5° to 15°	64	12 x 36	12 x 48									107	18 x 60	12 x 63	2	2
	15° to 22.5°	60	12 x 39	12 x 54									98	18 x 60	12 x 66	2	2
	22.5° to 30°	57	12 x 39	12 x 63									79	12 x 48	12 x 72	2	2
	30° to 37.5°	58	12 x 39	12 x 72									70	12 x 42	18 x 63	2	2
	37.5° to 45°	62	12 x 36	18 x 69									66	12 x 39	18 x 69	2	2

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	70	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	100	12 x 48	12 x 48	Yes	Yes	Yes	2	2			
	7.5° to 15°	60	12 x 39	12 x 51									99	18 x 60	18 x 60	2	2
	15° to 22.5°	56	12 x 42	12 x 54									90	18 x 60	18 x 60	2	2
	22.5° to 30°	53	12 x 42	12 x 66									73	18 x 60	18 x 63	2	2
	30° to 37.5°	54	12 x 39	18 x 60									65	12 x 45	18 x 66	2	2
	37.5° to 45°	58	12 x 39	18 x 69									61	12 x 39	18 x 72	2	2

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	66	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 51	12 x 51	Yes	Yes	Yes	2	2			
	7.5° to 15°	56	12 x 42	12 x 51									93	18 x 60	18 x 60	2	2
	15° to 22.5°	52	12 x 45	12 x 57									82	18 x 60	18 x 60	2	2
	22.5° to 30°	49	12 x 45	12 x 69									67	18 x 60	18 x 66	2	2
	30° to 37.5°	51	12 x 42	18 x 63									60	12 x 48	18 x 69	2	2
	37.5° to 45°	54	12 x 42	18 x 72									57	12 x 42	18 x 75	2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	62	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	12 x 54	12 x 54	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 45	12 x 54									2	2
	15° to 22.5°	49	12 x 45	12 x 60									2	2
	22.5° to 30°	46	12 x 45	12 x 72									2	2
	30° to 37.5°	47	12 x 45	18 x 66									2	2
	37.5° to 45°	51	12 x 42	18 x 75									2	3
53	12 x 45	18 x 78												

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	59	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 57	12 x 57	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 45	12 x 57									2	2
	15° to 22.5°	43	12 x 45	12 x 60									2	2
	22.5° to 30°	44	12 x 48	12 x 72									2	3
	30° to 37.5°	45	12 x 48	18 x 69									2	3
	37.5° to 45°	48	12 x 45	18 x 78									3	3
50	12 x 45	18 x 78												

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	55	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 48	12 x 60									2	2
	15° to 22.5°	38	12 x 45	12 x 60									2	3
	22.5° to 30°	39	12 x 48	12 x 72									3	3
	30° to 37.5°	42	12 x 48	18 x 69									3	3
	37.5° to 45°	45	12 x 48	18 x 81									3	3
47	12 x 48	18 x 81												

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	82	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	117	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	76	12 x 30	12 x 36			127	12 x 36	12 x 48				2	2
	15° to 22.5°	76	12 x 30	12 x 45			130	12 x 42	12 x 60				2	2
	22.5° to 30°	73	12 x 33	12 x 54			105	12 x 39	12 x 63				2	2
	30° to 37.5°	75	12 x 30	12 x 60			93	12 x 33	12 x 66				2	2
	37.5° to 45°	80	12 x 30	12 x 69			88	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	115	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	74	12 x 30	12 x 39			124	12 x 39	12 x 51				2	2
	15° to 22.5°	73	12 x 33	12 x 48			123	12 x 45	12 x 60				2	2
	22.5° to 30°	70	12 x 33	12 x 57			99	12 x 39	12 x 66				2	2
	30° to 37.5°	72	12 x 30	12 x 63			88	12 x 36	12 x 69				2	2
	37.5° to 45°	76	12 x 30	12 x 72			83	12 x 33	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	112	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 30	12 x 39			120	12 x 42	12 x 54				2	2
	15° to 22.5°	70	12 x 33	12 x 48			117	12 x 45	12 x 60				2	2
	22.5° to 30°	67	12 x 33	12 x 57			94	12 x 42	12 x 66				2	2
	30° to 37.5°	69	12 x 33	12 x 66			84	12 x 36	12 x 72				2	2
	37.5° to 45°	73	12 x 33	18 x 63			79	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	109	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 33	12 x 42			117	12 x 45	12 x 57				2	2
	15° to 22.5°	67	12 x 36	12 x 48			112	18 x 60	12 x 63				2	2
	22.5° to 30°	64	12 x 36	12 x 60			90	12 x 45	12 x 69				2	2
	30° to 37.5°	66	12 x 33	12 x 66			80	12 x 39	12 x 72				2	2
	37.5° to 45°	70	12 x 33	18 x 63			76	12 x 33	18 x 66				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 33	12 x 45			113	18 x 60	12 x 57				2	2
	15° to 22.5°	65	12 x 36	12 x 51			107	18 x 60	12 x 63				2	2
	22.5° to 30°	62	12 x 36	12 x 60			86	12 x 45	12 x 69				2	2
	30° to 37.5°	63	12 x 36	12 x 69			76	12 x 39	18 x 60				2	2
	37.5° to 45°	67	12 x 33	18 x 66			72	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	102	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 36	12 x 48			107	18 x 60	12 x 63				2	2
	15° to 22.5°	60	12 x 39	12 x 54			98	18 x 60	12 x 66				2	2
	22.5° to 30°	57	12 x 39	12 x 63			79	12 x 48	12 x 72				2	2
	30° to 37.5°	58	12 x 39	12 x 72			70	12 x 42	18 x 63				2	2
	37.5° to 45°	62	12 x 36	18 x 69			66	12 x 39	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	97	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 39	12 x 51			99	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 42	12 x 54			90	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	54	12 x 39	18 x 60			65	12 x 45	18 x 66				2	2
	37.5° to 45°	58	12 x 39	18 x 69			61	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 42	12 x 51			93	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 45	12 x 57			82	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 45	12 x 69			67	18 x 60	18 x 66				2	2
	30° to 37.5°	51	12 x 42	18 x 63			60	12 x 48	18 x 69				2	2
	37.5° to 45°	54	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	62	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		88	12 x 54	12 x 54	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 45	12 x 54				83	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 45	12 x 60				72	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 45	12 x 72				63	18 x 60	18 x 66				2	2
	30° to 37.5°	47	12 x 45	18 x 66				56	18 x 60	18 x 72				2	2
	37.5° to 45°	51	12 x 42	18 x 75				53	12 x 45	18 x 78				2	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	59	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		83	12 x 57	12 x 57	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 45	12 x 57				74	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60				64	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 48	12 x 72				58	18 x 60	18 x 69				2	3
	30° to 37.5°	45	12 x 48	18 x 69				52	18 x 60	18 x 72				2	3
	37.5° to 45°	48	12 x 45	18 x 78				50	12 x 45	18 x 78				3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	55	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 48	12 x 60				66	18 x 60	18 x 60				2	2
	15° to 22.5°	38	12 x 45	12 x 60				57	18 x 60	18 x 60				2	3
	22.5° to 30°	39	12 x 48	12 x 72				52	18 x 60	18 x 69				3	3
	30° to 37.5°	42	12 x 48	18 x 69				49	18 x 60	18 x 75				3	3
	37.5° to 45°	45	12 x 48	18 x 81				47	12 x 48	18 x 81				3	3

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							20 Snow 4-Module	
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"			Array Size: 4 Module Panels		Ground Snow Load up to 20 psf

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	70	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			100	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 30	12 x 36					111	18 x 60	12 x 45				2	2
	15° to 22.5°	69	12 x 30	12 x 45					129	18 x 60	18 x 60				2	2
	22.5° to 30°	68	12 x 30	12 x 54					105	12 x 39	12 x 63				2	2
	30° to 37.5°	70	12 x 30	12 x 60					93	12 x 33	12 x 66				2	2
	37.5° to 45°	74	12 x 30	12 x 69					88	12 x 30	12 x 72				2	2

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	70	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			99	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 30	12 x 36					109	18 x 60	18 x 60				2	2
	15° to 22.5°	67	12 x 30	12 x 45					123	18 x 60	18 x 60				2	2
	22.5° to 30°	66	12 x 33	12 x 54					99	12 x 39	12 x 66				2	2
	30° to 37.5°	68	12 x 30	12 x 60					88	12 x 36	12 x 69				2	2
	37.5° to 45°	72	12 x 30	12 x 69					83	12 x 33	18 x 63				2	2

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	68	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			97	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 30	12 x 36					106	18 x 60	18 x 60				2	2
	15° to 22.5°	65	12 x 33	12 x 48					117	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 33	12 x 57					94	12 x 42	12 x 66				2	2
	30° to 37.5°	66	12 x 33	12 x 63					84	12 x 36	12 x 72				2	2
	37.5° to 45°	70	12 x 30	12 x 72					79	12 x 33	18 x 63				2	2

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	67	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			95	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 30	12 x 39					104	18 x 60	18 x 60				2	2
	15° to 22.5°	63	12 x 33	12 x 48					112	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 36	12 x 57					90	12 x 45	12 x 69				2	2
	30° to 37.5°	64	12 x 33	12 x 66					80	12 x 39	12 x 72				2	2
	37.5° to 45°	68	12 x 33	18 x 63					76	12 x 33	18 x 66				2	2

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 20 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 33	12 x 42			102	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 36	12 x 51			107	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 36	12 x 60			86	12 x 45	12 x 69				2	2
	30° to 37.5°	62	12 x 36	12 x 66			76	12 x 39	18 x 60				2	2
	37.5° to 45°	66	12 x 33	18 x 63			72	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 36	12 x 45			97	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 39	12 x 51			98	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 39	12 x 63			79	18 x 60	12 x 72				2	2
	30° to 37.5°	58	12 x 39	12 x 72			70	12 x 42	18 x 63				2	2
	37.5° to 45°	62	12 x 36	18 x 69			66	12 x 39	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 39	12 x 48			93	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 42	12 x 54			90	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	54	12 x 39	18 x 60			65	12 x 45	18 x 66				2	2
	37.5° to 45°	58	12 x 39	18 x 69			61	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 39	12 x 51			86	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 45	12 x 57			82	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 45	12 x 69			67	18 x 60	18 x 66				2	2
	30° to 37.5°	51	12 x 42	18 x 63			60	12 x 48	18 x 69				2	2
	37.5° to 45°	54	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 42	12 x 54			79	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 45	12 x 60			72	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 45	12 x 72			63	18 x 60	18 x 66				2	2
	30° to 37.5°	47	12 x 45	18 x 66			56	18 x 60	18 x 72				2	2
	37.5° to 45°	51	12 x 42	18 x 75			53	12 x 45	18 x 78				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 45	12 x 57			72	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60			64	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 48	12 x 72			58	18 x 60	18 x 69				2	3
	30° to 37.5°	45	12 x 48	18 x 69			52	18 x 60	18 x 72				2	3
	37.5° to 45°	48	12 x 45	18 x 78			50	12 x 45	18 x 78				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 48	12 x 60			66	18 x 60	18 x 60				2	2
	15° to 22.5°	38	12 x 45	12 x 60			57	18 x 60	18 x 60				2	3
	22.5° to 30°	39	12 x 48	12 x 72			52	18 x 60	18 x 69				3	3
	30° to 37.5°	42	12 x 48	18 x 69			49	18 x 60	18 x 75				3	3
	37.5° to 45°	45	12 x 48	18 x 81			47	12 x 48	18 x 81				3	3

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 30 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	96	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 30	12 x 33			108	18 x 60	18 x 60				2	2
	15° to 22.5°	63	12 x 30	12 x 42			119	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 30	12 x 51			105	18 x 60	12 x 63				2	2
	30° to 37.5°	65	12 x 30	12 x 57			93	12 x 33	12 x 66				2	2
	37.5° to 45°	69	12 x 30	12 x 66			88	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	95	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 30	12 x 36			106	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 30	12 x 45			116	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 30	12 x 54			99	18 x 60	12 x 66				2	2
	30° to 37.5°	63	12 x 30	12 x 60			88	12 x 36	12 x 69				2	2
	37.5° to 45°	67	12 x 30	12 x 69			83	12 x 33	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	94	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 30	12 x 36			103	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 30	12 x 45			111	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 33	12 x 54			94	18 x 60	12 x 66				2	2
	30° to 37.5°	61	12 x 30	12 x 60			84	12 x 36	12 x 72				2	2
	37.5° to 45°	65	12 x 30	12 x 69			79	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	92	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 30	12 x 39			101	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 33	12 x 48			106	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 33	12 x 57			90	18 x 60	12 x 69				2	2
	30° to 37.5°	60	12 x 33	12 x 63			80	12 x 39	12 x 72				2	2
	37.5° to 45°	64	12 x 30	12 x 72			76	12 x 33	18 x 66				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 30 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 33	12 x 39			99	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 36	12 x 48			101	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 36	12 x 57			86	18 x 60	12 x 69				2	2
	30° to 37.5°	58	12 x 33	12 x 66			76	12 x 39	18 x 60				2	2
	37.5° to 45°	62	12 x 33	18 x 63			72	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 33	12 x 45			95	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 39	12 x 51			92	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 39	12 x 63			79	18 x 60	12 x 72				2	2
	30° to 37.5°	55	12 x 36	12 x 69			70	12 x 42	18 x 63				2	2
	37.5° to 45°	59	12 x 36	18 x 66			66	12 x 39	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 36	12 x 48			90	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 39	12 x 54			83	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	53	12 x 39	12 x 72			65	12 x 45	18 x 66				2	2
	37.5° to 45°	56	12 x 39	18 x 69			61	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 39	12 x 51			83	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 42	12 x 57			76	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 45	12 x 69			67	18 x 60	18 x 66				2	2
	30° to 37.5°	50	12 x 42	18 x 63			60	12 x 48	18 x 69				2	2
	37.5° to 45°	53	12 x 42	18 x 72			57	12 x 42	18 x 75				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 42	12 x 54			76	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 45	12 x 57			69	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 45	12 x 72			63	18 x 60	18 x 66				2	2
	30° to 37.5°	47	12 x 45	18 x 66			56	18 x 60	18 x 72				2	2
	37.5° to 45°	51	12 x 42	18 x 75			53	12 x 45	18 x 78				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	12 x 45	12 x 57			70	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60			63	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 48	12 x 72			58	18 x 60	18 x 69				2	3
	30° to 37.5°	45	12 x 48	18 x 69			52	18 x 60	18 x 72				2	3
	37.5° to 45°	48	12 x 45	18 x 78			50	12 x 45	18 x 78				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 48	12 x 60			64	18 x 60	18 x 60				2	2
	15° to 22.5°	38	12 x 45	12 x 60			57	18 x 60	18 x 60				2	3
	22.5° to 30°	39	12 x 48	12 x 72			52	18 x 60	18 x 69				3	3
	30° to 37.5°	42	12 x 48	18 x 69			49	18 x 60	18 x 75				3	3
	37.5° to 45°	45	12 x 48	18 x 81			47	12 x 48	18 x 81				3	3

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 30	12 x 33			100	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 30	12 x 42			106	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 30	12 x 51			105	18 x 60	18 x 60				2	2
	30° to 37.5°	61	12 x 30	12 x 54			93	18 x 60	12 x 66				2	2
	37.5° to 45°	64	12 x 30	12 x 63			88	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 30	12 x 33			98	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 30	12 x 42			101	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 30	12 x 51			99	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 30	12 x 57			88	18 x 60	12 x 69				2	2
	37.5° to 45°	63	12 x 30	12 x 66			83	12 x 33	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	86	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 36			96	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 30	12 x 45			97	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 54			94	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 60			84	18 x 60	12 x 72				2	2
	37.5° to 45°	62	12 x 30	12 x 69			79	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	85	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 36			94	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 33	12 x 45			93	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 33	12 x 54			90	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 30	12 x 63			80	18 x 60	12 x 72				2	2
	37.5° to 45°	60	12 x 30	12 x 72			76	12 x 33	18 x 66				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 39			93	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 33	12 x 48			89	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 33	12 x 57			86	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 33	12 x 63			76	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 33	12 x 72			72	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 33	12 x 42			87	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 36	12 x 51			82	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 36	12 x 60			79	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 36	12 x 69			70	18 x 60	18 x 63				2	2
	37.5° to 45°	56	12 x 36	18 x 63			66	12 x 39	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 36	12 x 45			80	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 39	12 x 51			75	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 39	12 x 63			73	18 x 60	18 x 63				2	2
	30° to 37.5°	50	12 x 39	12 x 72			65	18 x 60	18 x 66				2	2
	37.5° to 45°	54	12 x 36	18 x 69			61	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 39	12 x 48			74	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 42	12 x 54			69	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 42	12 x 66			67	18 x 60	18 x 66				2	2
	30° to 37.5°	48	12 x 42	18 x 63			60	18 x 60	18 x 69				2	2
	37.5° to 45°	51	12 x 39	18 x 72			57	12 x 42	18 x 75				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	52	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	12 x 42	12 x 51			69	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 45	12 x 57			64	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 45	12 x 69			61	18 x 60	18 x 66				2	2
	30° to 37.5°	46	12 x 45	18 x 66			56	18 x 60	18 x 72				2	2
	37.5° to 45°	49	12 x 42	18 x 75			53	12 x 45	18 x 78				2	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	51	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 45	12 x 54			64	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60			59	18 x 60	18 x 60				2	2
	22.5° to 30°	43	12 x 48	12 x 72			56	18 x 60	18 x 69				2	3
	30° to 37.5°	44	12 x 45	18 x 66			52	18 x 60	18 x 72				2	3
	37.5° to 45°	47	12 x 45	18 x 78			50	12 x 45	18 x 78				3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	49	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	44	12 x 45	12 x 57			59	18 x 60	18 x 60				2	2
	15° to 22.5°	38	12 x 45	12 x 60			54	18 x 60	18 x 60				2	3
	22.5° to 30°	39	12 x 48	12 x 72			51	18 x 60	18 x 69				3	3
	30° to 37.5°	42	12 x 48	18 x 69			49	18 x 60	18 x 75				3	3
	37.5° to 45°	45	12 x 48	18 x 81			47	12 x 48	18 x 81				3	3

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 36			93	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 30	12 x 39			93	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 30	12 x 48			93	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 30	12 x 54			93	18 x 60	18 x 60				2	2
	37.5° to 45°	61	12 x 30	12 x 63			88	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 36			92	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 42			90	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 30	12 x 51			90	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 57			88	18 x 60	18 x 60				2	2
	37.5° to 45°	60	12 x 30	12 x 63			83	12 x 33	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 36			89	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 30	12 x 42			87	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 51			86	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 57			84	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 66			79	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 30	12 x 36			86	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 30	12 x 45			83	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 33	12 x 54			83	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 60			80	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 69			76	12 x 33	18 x 66				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	78	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 30	12 x 39			83	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 33	12 x 45			80	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 33	12 x 57			79	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 33	12 x 63			76	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 72			72	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 33	12 x 42			78	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 36	12 x 48			74	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 36	12 x 60			73	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 36	12 x 66			70	18 x 60	18 x 63				2	2
	37.5° to 45°	54	12 x 33	18 x 63			66	12 x 39	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 36	12 x 45			73	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 39	12 x 51			69	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 39	12 x 63			67	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 39	12 x 69			65	18 x 60	18 x 66				2	2
	37.5° to 45°	52	12 x 36	18 x 66			61	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 39	12 x 48			68	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 42	12 x 54			64	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 42	12 x 66			62	18 x 60	18 x 63				2	2
	30° to 37.5°	46	12 x 39	12 x 72			60	18 x 60	18 x 69				2	2
	37.5° to 45°	49	12 x 39	18 x 69			57	12 x 42	18 x 75				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	50	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2			
	7.5° to 15°	46	12 x 39	12 x 51									63	18 x 60	18 x 60	2	2
	15° to 22.5°	44	12 x 45	12 x 57									59	18 x 60	18 x 60	2	2
	22.5° to 30°	43	12 x 45	12 x 69									57	18 x 60	18 x 63	2	3
	30° to 37.5°	44	12 x 42	18 x 63									56	18 x 60	18 x 72	2	3
	37.5° to 45°	48	12 x 42	18 x 72									53	12 x 45	18 x 78	2	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	48	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	2	2			
	7.5° to 15°	44	12 x 42	12 x 54									59	18 x 60	18 x 60	2	2
	15° to 22.5°	42	12 x 45	12 x 60									55	18 x 60	18 x 60	2	3
	22.5° to 30°	41	12 x 48	12 x 72									52	18 x 60	18 x 66	2	3
	30° to 37.5°	43	12 x 45	18 x 66									52	18 x 60	18 x 72	2	3
	37.5° to 45°	46	12 x 45	18 x 75									50	12 x 45	18 x 78	3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	47	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	66	18 x 60	18 x 60	Yes	Yes	Yes	2	2			
	7.5° to 15°	42	12 x 45	12 x 57									55	18 x 60	18 x 60	2	3
	15° to 22.5°	38	12 x 45	12 x 60									51	18 x 60	18 x 60	2	3
	22.5° to 30°	39	18 x 60	12 x 72									48	18 x 60	18 x 66	3	3
	30° to 37.5°	41	18 x 60	18 x 69									49	18 x 60	18 x 75	3	3
	37.5° to 45°	44	12 x 45	18 x 78									47	12 x 48	18 x 81	3	3

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 30	12 x 36			85	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 30	12 x 39			83	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 48			84	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 54			90	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 60			88	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 30	12 x 36			82	18 x 60	18 x 60				2	2
	15° to 22.5°	52	12 x 30	12 x 42			81	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 30	12 x 48			81	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 30	12 x 54			87	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 63			83	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	12 x 30	12 x 36			80	18 x 60	18 x 60				2	2
	15° to 22.5°	51	12 x 30	12 x 42			78	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 30	12 x 51			78	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 30	12 x 57			84	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 66			79	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 30	12 x 36			78	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 30	12 x 42			76	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 30	12 x 54			75	18 x 60	18 x 60				2	2
	30° to 37.5°	51	12 x 30	12 x 60			80	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 30	12 x 69			76	18 x 60	18 x 66				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 30	12 x 36			75	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 30	12 x 45			73	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 33	12 x 54			72	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 30	12 x 60			76	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 69			72	18 x 60	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	12 x 30	12 x 39			71	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 33	12 x 48			68	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 36	12 x 57			67	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 33	12 x 66			70	18 x 60	18 x 63				2	2
	37.5° to 45°	52	12 x 33	18 x 63			66	18 x 60	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 33	12 x 42			66	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 36	12 x 51			63	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 39	12 x 60			62	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 36	12 x 69			65	18 x 60	18 x 66				2	2
	37.5° to 45°	50	12 x 36	18 x 66			61	18 x 60	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	45	12 x 36	12 x 45			62	18 x 60	18 x 60				2	2
	15° to 22.5°	44	12 x 39	12 x 54			59	18 x 60	18 x 60				2	2
	22.5° to 30°	43	12 x 42	12 x 63			57	18 x 60	18 x 60				2	3
	30° to 37.5°	45	12 x 39	12 x 72			60	18 x 60	18 x 69				2	2
	37.5° to 45°	48	12 x 39	18 x 69			57	18 x 60	18 x 75				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	44	12 x 39	12 x 51			58	18 x 60	18 x 60				2	3
	15° to 22.5°	42	12 x 42	12 x 54			55	18 x 60	18 x 60				2	3
	22.5° to 30°	42	12 x 45	12 x 66			53	18 x 60	18 x 63				2	3
	30° to 37.5°	43	12 x 42	18 x 63			56	18 x 60	18 x 72				2	3
	37.5° to 45°	46	12 x 42	18 x 72			53	18 x 60	18 x 78				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	64	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	42	12 x 42	12 x 51			55	18 x 60	18 x 60				2	3
	15° to 22.5°	41	18 x 60	12 x 57			51	18 x 60	18 x 60				2	3
	22.5° to 30°	40	18 x 60	12 x 69			49	18 x 60	18 x 63				3	3
	30° to 37.5°	41	12 x 45	18 x 66			52	18 x 60	18 x 72				2	3
	37.5° to 45°	44	12 x 42	18 x 75			50	18 x 60	18 x 78				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	61	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	41	18 x 60	12 x 54			51	18 x 60	18 x 60				2	3
	15° to 22.5°	38	12 x 45	12 x 60			48	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	12 x 72			46	18 x 60	18 x 66				3	3
	30° to 37.5°	40	18 x 60	18 x 69			49	18 x 60	18 x 75				3	3
	37.5° to 45°	43	12 x 45	18 x 78			47	18 x 60	18 x 81				3	3

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 30	12 x 36			76	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 30	12 x 39			76	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 30	12 x 45			77	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 30	12 x 51			82	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 30	12 x 60			88	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36			74	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 30	12 x 42			73	18 x 60	18 x 60				2	2
	22.5° to 30°	49	12 x 30	12 x 48			74	18 x 60	18 x 60				2	2
	30° to 37.5°	51	12 x 30	12 x 54			79	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 63			83	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	12 x 30	12 x 36			72	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 30	12 x 42			71	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 30	12 x 51			72	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 30	12 x 57			77	18 x 60	18 x 60				2	2
	37.5° to 45°	53	12 x 30	12 x 63			79	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	12 x 30	12 x 36			70	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 30	12 x 42			69	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 30	12 x 51			69	18 x 60	18 x 60				2	2
	30° to 37.5°	49	12 x 30	12 x 57			74	18 x 60	18 x 60				2	2
	37.5° to 45°	52	12 x 30	12 x 66			76	18 x 60	18 x 66				2	2

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	12 x 30	12 x 36			68	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 30	12 x 45			67	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 33	12 x 54			67	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 30	12 x 60			71	18 x 60	18 x 60				2	2
	37.5° to 45°	51	12 x 30	12 x 69			72	18 x 60	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 30	12 x 39			65	18 x 60	18 x 60				2	2
	15° to 22.5°	45	12 x 33	12 x 48			63	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 36	12 x 57			62	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 33	12 x 63			66	18 x 60	18 x 63				2	2
	37.5° to 45°	50	12 x 33	12 x 72			66	18 x 60	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	45	12 x 33	12 x 42			61	18 x 60	18 x 60				2	2
	15° to 22.5°	44	12 x 36	12 x 48			59	18 x 60	18 x 60				2	3
	22.5° to 30°	44	12 x 39	12 x 60			58	18 x 60	18 x 60				2	3
	30° to 37.5°	45	12 x 36	12 x 69			62	18 x 60	18 x 66				2	2
	37.5° to 45°	48	12 x 36	18 x 66			61	18 x 60	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	43	12 x 36	12 x 45			57	18 x 60	18 x 60				2	3
	15° to 22.5°	42	12 x 39	12 x 51			55	18 x 60	18 x 60				2	3
	22.5° to 30°	42	12 x 39	12 x 63			54	18 x 60	18 x 60				2	3
	30° to 37.5°	43	12 x 39	12 x 72			57	18 x 60	18 x 66				2	3
	37.5° to 45°	46	12 x 39	18 x 69			57	18 x 60	18 x 75				2	3

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	45	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			62	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	42	12 x 39	12 x 48					54	18 x 60	18 x 60				2	3
	15° to 22.5°	41	18 x 60	12 x 54					51	18 x 60	18 x 60				2	3
	22.5° to 30°	41	18 x 60	12 x 66					50	18 x 60	18 x 60				3	3
	30° to 37.5°	42	12 x 42	18 x 63					53	18 x 60	18 x 69				2	3
	37.5° to 45°	45	12 x 39	18 x 72					53	18 x 60	18 x 78				2	3

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	44	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			59	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	41	18 x 60	12 x 51					51	18 x 60	18 x 60				3	3
	15° to 22.5°	40	18 x 60	12 x 57					48	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	12 x 69					47	18 x 60	18 x 63				3	3
	30° to 37.5°	40	18 x 60	18 x 66					50	18 x 60	18 x 72				3	3
	37.5° to 45°	43	12 x 42	18 x 75					50	18 x 60	18 x 78				3	3

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	43	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			56	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	40	18 x 60	12 x 54					48	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	12 x 60					45	18 x 60	18 x 60				3	3
	22.5° to 30°	38	18 x 60	12 x 72					43	18 x 60	18 x 63				3	3
	30° to 37.5°	39	18 x 60	18 x 66					46	18 x 60	18 x 72				3	3
	37.5° to 45°	42	12 x 45	18 x 78					47	18 x 60	18 x 81				3	3

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	47	12 x 30	12 x 39			67	18 x 60	18 x 60				2	2
	15° to 22.5°	48	12 x 30	12 x 39			69	18 x 60	18 x 60				2	2
	22.5° to 30°	48	12 x 30	12 x 45			70	18 x 60	18 x 60				2	2
	30° to 37.5°	50	12 x 30	12 x 51			75	18 x 60	18 x 60				2	2
	37.5° to 45°	53	12 x 30	12 x 57			85	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	47	12 x 30	12 x 39			67	18 x 60	18 x 60				2	2
	15° to 22.5°	47	12 x 30	12 x 42			67	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 30	12 x 48			68	18 x 60	18 x 60				2	2
	30° to 37.5°	49	12 x 30	12 x 54			73	18 x 60	18 x 60				2	2
	37.5° to 45°	52	12 x 30	12 x 60			82	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	47	12 x 30	12 x 36			66	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 30	12 x 42			65	18 x 60	18 x 60				2	2
	22.5° to 30°	47	12 x 30	12 x 48			66	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 30	12 x 54			71	18 x 60	18 x 60				2	2
	37.5° to 45°	51	12 x 30	12 x 63			79	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	46	12 x 30	12 x 36			64	18 x 60	18 x 60				2	2
	15° to 22.5°	46	12 x 30	12 x 42			63	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 30	12 x 51			64	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 30	12 x 57			69	18 x 60	18 x 60				2	2
	37.5° to 45°	50	12 x 30	12 x 66			76	18 x 60	18 x 66				2	2

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 80 psf			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	46	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	45	12 x 30	12 x 36				63	18 x 60	18 x 60				2	2
	15° to 22.5°	45	12 x 30	12 x 45				62	18 x 60	18 x 60				2	2
	22.5° to 30°	45	12 x 30	12 x 54				62	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 30	12 x 60				66	18 x 60	18 x 60				2	2
	37.5° to 45°	50	12 x 30	12 x 69				72	18 x 60	18 x 66				2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	46	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	44	12 x 30	12 x 39				60	18 x 60	18 x 60				2	3
	15° to 22.5°	44	12 x 33	12 x 45				58	18 x 60	18 x 60				2	3
	22.5° to 30°	44	12 x 33	12 x 57				58	18 x 60	18 x 60				2	3
	30° to 37.5°	45	12 x 33	12 x 63				62	18 x 60	18 x 60				2	2
	37.5° to 45°	48	12 x 33	12 x 72				66	18 x 60	18 x 69				2	2

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	45	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		62	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	43	12 x 33	12 x 42				56	18 x 60	18 x 60				2	3
	15° to 22.5°	42	12 x 36	12 x 48				55	18 x 60	18 x 60				2	3
	22.5° to 30°	42	12 x 36	12 x 60				54	18 x 60	18 x 60				2	3
	30° to 37.5°	44	12 x 36	12 x 66				58	18 x 60	18 x 63				2	3
	37.5° to 45°	46	12 x 33	18 x 63				61	18 x 60	18 x 72				2	2

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	44	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		60	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	42	12 x 36	12 x 45				53	18 x 60	18 x 60				2	3
	15° to 22.5°	41	18 x 60	12 x 51				51	18 x 60	18 x 60				2	3
	22.5° to 30°	41	18 x 60	12 x 63				51	18 x 60	18 x 60				3	3
	30° to 37.5°	42	12 x 39	12 x 69				54	18 x 60	18 x 66				2	3
	37.5° to 45°	45	12 x 36	18 x 66				57	18 x 60	18 x 75				2	3

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	57	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	41	18 x 60	12 x 48			51	18 x 60	18 x 60				3	3
	15° to 22.5°	40	18 x 60	12 x 54			48	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	12 x 66			47	18 x 60	18 x 60				3	3
	30° to 37.5°	41	18 x 60	18 x 60			50	18 x 60	18 x 66				3	3
	37.5° to 45°	43	12 x 39	18 x 69			53	18 x 60	18 x 78				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	12 x 51			48	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	12 x 57			45	18 x 60	18 x 60				3	3
	22.5° to 30°	38	18 x 60	12 x 69			44	18 x 60	18 x 60				3	3
	30° to 37.5°	39	18 x 60	18 x 63			47	18 x 60	18 x 69				3	3
	37.5° to 45°	42	12 x 42	18 x 72			50	18 x 60	18 x 78				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	38	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	37	18 x 60	12 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	37	18 x 60	12 x 72			41	18 x 60	18 x 63				3	3
	30° to 37.5°	38	18 x 60	18 x 66			44	18 x 60	18 x 72				3	3
	37.5° to 45°	41	18 x 60	18 x 75			47	18 x 60	18 x 81				3	3

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	44	12 x 30	12 x 39			60	18 x 60	18 x 60				2	3
	15° to 22.5°	45	12 x 30	12 x 39			62	18 x 60	18 x 60				2	2
	22.5° to 30°	46	12 x 30	12 x 45			65	18 x 60	18 x 60				2	2
	30° to 37.5°	48	12 x 30	12 x 51			70	18 x 60	18 x 60				2	2
	37.5° to 45°	51	12 x 30	12 x 57			78	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	44	12 x 30	12 x 39			60	18 x 60	18 x 60				2	3
	15° to 22.5°	45	12 x 30	12 x 42			62	18 x 60	18 x 60				2	3
	22.5° to 30°	45	12 x 30	12 x 45			63	18 x 60	18 x 60				2	2
	30° to 37.5°	47	12 x 30	12 x 51			68	18 x 60	18 x 60				2	2
	37.5° to 45°	50	12 x 30	12 x 60			76	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	44	12 x 30	12 x 39			60	18 x 60	18 x 60				2	3
	15° to 22.5°	44	12 x 30	12 x 42			60	18 x 60	18 x 60				2	3
	22.5° to 30°	45	12 x 30	12 x 48			61	18 x 60	18 x 60				2	2
	30° to 37.5°	46	12 x 30	12 x 54			66	18 x 60	18 x 60				2	2
	37.5° to 45°	49	12 x 30	12 x 63			74	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	44	12 x 30	12 x 39			59	18 x 60	18 x 60				2	3
	15° to 22.5°	44	12 x 30	12 x 42			59	18 x 60	18 x 60				2	3
	22.5° to 30°	44	12 x 30	12 x 51			59	18 x 60	18 x 60				2	2
	30° to 37.5°	46	12 x 30	12 x 57			64	18 x 60	18 x 60				2	2
	37.5° to 45°	49	12 x 30	12 x 63			72	18 x 60	18 x 63				2	2

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	44	12 x 30	12 x 39			58	18 x 60	18 x 60				2	3
	15° to 22.5°	43	12 x 30	12 x 42			57	18 x 60	18 x 60				2	3
	22.5° to 30°	44	12 x 30	12 x 51			58	18 x 60	18 x 60				2	3
	30° to 37.5°	45	12 x 30	12 x 57			62	18 x 60	18 x 60				2	2
	37.5° to 45°	48	12 x 30	12 x 66			70	18 x 60	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	43	12 x 30	12 x 39			55	18 x 60	18 x 60				2	3
	15° to 22.5°	42	12 x 33	12 x 45			54	18 x 60	18 x 60				2	3
	22.5° to 30°	42	12 x 33	12 x 54			54	18 x 60	18 x 60				2	3
	30° to 37.5°	44	12 x 33	12 x 63			58	18 x 60	18 x 60				2	2
	37.5° to 45°	46	12 x 30	12 x 72			66	18 x 60	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	42	12 x 33	12 x 39			53	18 x 60	18 x 60				2	3
	15° to 22.5°	41	18 x 60	12 x 48			51	18 x 60	18 x 60				2	3
	22.5° to 30°	41	18 x 60	12 x 60			51	18 x 60	18 x 60				2	3
	30° to 37.5°	42	12 x 36	12 x 66			54	18 x 60	18 x 60				2	3
	37.5° to 45°	45	12 x 33	18 x 63			61	18 x 60	18 x 72				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	12 x 33	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	12 x 45			50	18 x 60	18 x 60				3	3
	15° to 22.5°	40	18 x 60	12 x 51			48	18 x 60	18 x 60				3	3
	22.5° to 30°	40	18 x 60	12 x 63			48	18 x 60	18 x 60				3	3
	30° to 37.5°	41	18 x 60	12 x 69			51	18 x 60	18 x 63				2	3
	37.5° to 45°	44	12 x 36	18 x 66			57	18 x 60	18 x 75				2	3

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	12 x 48			47	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	12 x 54			45	18 x 60	18 x 60				3	3
	22.5° to 30°	38	18 x 60	12 x 66			45	18 x 60	18 x 60				3	3
	30° to 37.5°	40	18 x 60	12 x 72			48	18 x 60	18 x 66				3	3
	37.5° to 45°	42	12 x 39	18 x 69			53	18 x 60	18 x 78				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	51	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	38	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	37	18 x 60	18 x 60			42	18 x 60	18 x 60				3	3
	30° to 37.5°	38	18 x 60	18 x 63			45	18 x 60	18 x 69				3	3
	37.5° to 45°	41	18 x 60	18 x 72			50	18 x 60	18 x 78				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	49	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	15° to 22.5°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				3	3
	22.5° to 30°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	30° to 37.5°	37	18 x 60	18 x 66			42	18 x 60	18 x 69				3	3
	37.5° to 45°	40	18 x 60	18 x 75			47	18 x 60	18 x 81				3	3

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 30	12 x 39			54	18 x 60	18 x 60				3	3
	15° to 22.5°	43	12 x 30	12 x 39			56	18 x 60	18 x 60				2	3
	22.5° to 30°	44	12 x 30	12 x 45			60	18 x 60	18 x 60				2	2
	30° to 37.5°	46	12 x 30	12 x 48			65	18 x 60	18 x 60				2	2
	37.5° to 45°	49	12 x 30	12 x 57			73	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 30	12 x 39			54	18 x 60	18 x 60				3	3
	15° to 22.5°	43	12 x 30	12 x 42			56	18 x 60	18 x 60				2	3
	22.5° to 30°	44	12 x 30	12 x 45			59	18 x 60	18 x 60				2	3
	30° to 37.5°	46	12 x 30	12 x 51			63	18 x 60	18 x 60				2	2
	37.5° to 45°	48	12 x 30	12 x 60			71	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 30	12 x 39			54	18 x 60	18 x 60				3	3
	15° to 22.5°	43	12 x 30	12 x 42			56	18 x 60	18 x 60				2	3
	22.5° to 30°	43	12 x 30	12 x 48			57	18 x 60	18 x 60				2	3
	30° to 37.5°	45	12 x 30	12 x 54			61	18 x 60	18 x 60				2	2
	37.5° to 45°	48	12 x 30	12 x 60			69	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 30	12 x 39			54	18 x 60	18 x 60				3	3
	15° to 22.5°	42	12 x 30	12 x 42			55	18 x 60	18 x 60				2	3
	22.5° to 30°	43	12 x 30	12 x 48			56	18 x 60	18 x 60				2	3
	30° to 37.5°	44	12 x 30	12 x 54			60	18 x 60	18 x 60				2	2
	37.5° to 45°	47	12 x 30	12 x 63			67	18 x 60	18 x 63				2	2

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 30	12 x 39			54	18 x 60	18 x 60				3	3
	15° to 22.5°	42	12 x 30	12 x 42			53	18 x 60	18 x 60				2	3
	22.5° to 30°	42	12 x 30	12 x 51			54	18 x 60	18 x 60				2	3
	30° to 37.5°	44	12 x 30	12 x 57			58	18 x 60	18 x 60				2	2
	37.5° to 45°	46	12 x 30	12 x 66			65	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	41	18 x 60	12 x 39			51	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	12 x 45			51	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	12 x 54			51	18 x 60	18 x 60				2	3
	30° to 37.5°	42	12 x 33	12 x 60			55	18 x 60	18 x 60				2	3
	37.5° to 45°	45	12 x 30	12 x 69			62	18 x 60	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	12 x 39			49	18 x 60	18 x 60				3	3
	15° to 22.5°	40	18 x 60	12 x 48			48	18 x 60	18 x 60				3	3
	22.5° to 30°	40	18 x 60	12 x 57			48	18 x 60	18 x 60				3	3
	30° to 37.5°	41	18 x 60	12 x 66			51	18 x 60	18 x 60				2	3
	37.5° to 45°	44	12 x 33	18 x 63			58	18 x 60	18 x 72				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	12 x 51			45	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	12 x 60			45	18 x 60	18 x 60				3	3
	30° to 37.5°	40	18 x 60	12 x 69			48	18 x 60	18 x 63				3	3
	37.5° to 45°	42	12 x 36	18 x 66			55	18 x 60	18 x 72				2	3

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		50	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	38	18 x 60	18 x 60				45	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	18 x 60				43	18 x 60	18 x 60				3	3
	22.5° to 30°	37	18 x 60	18 x 60				43	18 x 60	18 x 60				3	3
	30° to 37.5°	39	18 x 60	12 x 72				45	18 x 60	18 x 63				3	3
	37.5° to 45°	41	18 x 60	18 x 69				52	18 x 60	18 x 75				3	3

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	18 x 60	18 x 60				42	18 x 60	18 x 60				3	3
	15° to 22.5°	37	18 x 60	18 x 60				41	18 x 60	18 x 60				3	3
	22.5° to 30°	36	18 x 60	18 x 60				40	18 x 60	18 x 60				3	3
	30° to 37.5°	37	18 x 60	18 x 63				43	18 x 60	18 x 66				3	3
	37.5° to 45°	40	18 x 60	18 x 72				49	18 x 60	18 x 78				3	3

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		46	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	36	18 x 60	18 x 60				40	18 x 60	18 x 60				3	3
	15° to 22.5°	36	18 x 60	18 x 60				38	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	18 x 60	18 x 60				38	18 x 60	18 x 60				3	NA
	30° to 37.5°	36	18 x 60	18 x 66				40	18 x 60	18 x 69				3	3
	37.5° to 45°	39	18 x 60	18 x 75				46	18 x 60	18 x 81				3	3

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 110 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	18 x 60			52	18 x 60	18 x 60				3	3
	22.5° to 30°	42	12 x 30	12 x 42			55	18 x 60	18 x 60				2	3
	30° to 37.5°	44	12 x 30	12 x 48			60	18 x 60	18 x 60				2	2
	37.5° to 45°	47	12 x 30	12 x 54			66	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	18 x 60			52	18 x 60	18 x 60				3	3
	22.5° to 30°	42	12 x 30	12 x 45			55	18 x 60	18 x 60				2	3
	30° to 37.5°	44	12 x 30	12 x 51			59	18 x 60	18 x 60				2	2
	37.5° to 45°	47	12 x 30	12 x 57			66	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	18 x 60			52	18 x 60	18 x 60				3	3
	22.5° to 30°	42	12 x 30	12 x 48			53	18 x 60	18 x 60				2	3
	30° to 37.5°	43	12 x 30	12 x 54			58	18 x 60	18 x 60				2	2
	37.5° to 45°	46	12 x 30	12 x 60			65	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	12 x 42			51	18 x 60	18 x 60				3	3
	22.5° to 30°	41	12 x 30	12 x 48			52	18 x 60	18 x 60				2	3
	30° to 37.5°	43	12 x 30	12 x 54			56	18 x 60	18 x 60				2	3
	37.5° to 45°	46	12 x 30	12 x 63			63	18 x 60	18 x 60				2	2

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 110 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	15° to 22.5°	40	18 x 60	12 x 42			50	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	12 x 51			51	18 x 60	18 x 60				2	3
	30° to 37.5°	42	12 x 30	12 x 57			55	18 x 60	18 x 60				2	3
	37.5° to 45°	45	12 x 30	12 x 66			61	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	15° to 22.5°	40	18 x 60	12 x 45			48	18 x 60	18 x 60				3	3
	22.5° to 30°	40	18 x 60	12 x 54			48	18 x 60	18 x 60				3	3
	30° to 37.5°	41	18 x 60	12 x 60			52	18 x 60	18 x 60				2	3
	37.5° to 45°	44	12 x 30	12 x 69			58	18 x 60	18 x 66				2	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			46	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	12 x 57			45	18 x 60	18 x 60				3	3
	30° to 37.5°	40	18 x 60	12 x 63			49	18 x 60	18 x 60				3	3
	37.5° to 45°	43	12 x 33	18 x 60			55	18 x 60	18 x 69				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	30° to 37.5°	39	18 x 60	12 x 69			46	18 x 60	18 x 60				3	3
	37.5° to 45°	41	12 x 36	18 x 66			52	18 x 60	18 x 72				3	3

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	18 x 60	18 x 60			42	18 x 60	18 x 60				3	3
	15° to 22.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				3	3
	22.5° to 30°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				3	3
	30° to 37.5°	38	18 x 60	18 x 60			43	18 x 60	18 x 63				3	3
	37.5° to 45°	40	18 x 60	18 x 69			49	18 x 60	18 x 75				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	45	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				3	NA
	15° to 22.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				3	NA
	30° to 37.5°	37	18 x 60	18 x 63			41	18 x 60	18 x 66				3	3
	37.5° to 45°	39	18 x 60	18 x 72			46	18 x 60	18 x 78				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	43	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				3	NA
	15° to 22.5°	35	18 x 60	18 x 60			37	18 x 60	18 x 60				3	NA
	22.5° to 30°	34	18 x 60	18 x 60			36	18 x 60	18 x 60				3	NA
	30° to 37.5°	36	18 x 60	18 x 63			38	18 x 60	18 x 66				3	NA
	37.5° to 45°	38	18 x 60	18 x 75			44	18 x 60	18 x 78				3	3

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	18 x 60			50	18 x 60	18 x 60				2	3
	30° to 37.5°	42	12 x 30	12 x 48			55	18 x 60	18 x 60				2	2
	37.5° to 45°	45	12 x 30	12 x 54			61	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	18 x 60			50	18 x 60	18 x 60				2	3
	30° to 37.5°	42	12 x 30	12 x 51			55	18 x 60	18 x 60				2	3
	37.5° to 45°	45	12 x 30	12 x 57			61	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	18 x 60			50	18 x 60	18 x 60				3	3
	30° to 37.5°	42	12 x 30	12 x 51			54	18 x 60	18 x 60				2	3
	37.5° to 45°	45	12 x 30	12 x 60			61	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	40	18 x 60	12 x 48			49	18 x 60	18 x 60				3	3
	30° to 37.5°	42	12 x 30	12 x 54			53	18 x 60	18 x 60				2	3
	37.5° to 45°	44	12 x 30	12 x 63			60	18 x 60	18 x 60				2	2

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	40	18 x 60	12 x 51			48	18 x 60	18 x 60				3	3
	30° to 37.5°	41	18 x 60	12 x 57			51	18 x 60	18 x 60				2	3
	37.5° to 45°	44	12 x 30	12 x 63			58	18 x 60	18 x 60				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	30° to 37.5°	40	18 x 60	12 x 60			49	18 x 60	18 x 60				2	3
	37.5° to 45°	43	12 x 30	12 x 69			55	18 x 60	18 x 63				2	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				3	3
	15° to 22.5°	37	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	30° to 37.5°	39	18 x 60	12 x 63			46	18 x 60	18 x 60				3	3
	37.5° to 45°	41	12 x 33	12 x 72			52	18 x 60	18 x 66				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	18 x 60	18 x 60			42	18 x 60	18 x 60				3	3
	15° to 22.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				3	3
	22.5° to 30°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				3	3
	30° to 37.5°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				3	3
	37.5° to 45°	40	18 x 60	18 x 63			50	18 x 60	18 x 69				3	3

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				3	NA
	15° to 22.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	22.5° to 30°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	30° to 37.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 63				3	3
	37.5° to 45°	39	18 x 60	18 x 66			47	18 x 60	18 x 72				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				3	NA
	15° to 22.5°	35	18 x 60	18 x 60			37	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	18 x 60	18 x 60			37	18 x 60	18 x 60				3	NA
	30° to 37.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 63				3	NA
	37.5° to 45°	38	18 x 60	18 x 69			44	18 x 60	18 x 75				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	41	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				3	NA
	15° to 22.5°	34	18 x 60	18 x 60			35	18 x 60	18 x 60				3	NA
	22.5° to 30°	34	18 x 60	18 x 60			35	18 x 60	18 x 60				3	NA
	30° to 37.5°	35	18 x 60	18 x 63			37	18 x 60	18 x 66				3	NA
	37.5° to 45°	37	18 x 60	18 x 72			42	18 x 60	18 x 78				3	NA

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System										0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels						Pipe Beam Diameter: 1.5"	

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	84	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	123	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	73	12 x 30	12 x 39			128	12 x 42	12 x 54				2	2
	15° to 22.5°	69	12 x 33	12 x 48			117	18 x 60	12 x 63				2	2
	22.5° to 30°	66	12 x 33	12 x 57			94	12 x 42	12 x 69				2	2
	30° to 37.5°	67	12 x 33	12 x 63			84	12 x 36	12 x 72				2	2
	37.5° to 45°	72	12 x 30	18 x 60			79	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	82	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	120	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 33	12 x 42			123	18 x 60	12 x 57				2	2
	15° to 22.5°	66	12 x 36	12 x 51			111	18 x 60	12 x 63				2	2
	22.5° to 30°	63	12 x 36	12 x 60			89	12 x 42	12 x 69				2	2
	30° to 37.5°	64	12 x 33	12 x 66			79	12 x 39	12 x 72				2	2
	37.5° to 45°	69	12 x 33	18 x 63			75	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	115	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 33	12 x 45			118	18 x 60	12 x 60				2	2
	15° to 22.5°	63	12 x 36	12 x 51			105	18 x 60	12 x 63				2	2
	22.5° to 30°	60	12 x 36	12 x 60			85	12 x 45	12 x 72				2	2
	30° to 37.5°	61	12 x 36	12 x 69			75	12 x 39	18 x 63				2	2
	37.5° to 45°	66	12 x 33	18 x 66			71	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	111	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 36	12 x 45			113	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 39	12 x 51			100	18 x 60	12 x 66				2	2
	22.5° to 30°	58	12 x 39	12 x 63			80	18 x 60	12 x 72				2	2
	30° to 37.5°	59	12 x 36	12 x 69			72	12 x 42	18 x 63				2	2
	37.5° to 45°	63	12 x 36	18 x 66			68	12 x 36	18 x 69				2	2

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	106	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 36	12 x 48			108	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 39	12 x 54			95	18 x 60	12 x 66				2	2
	22.5° to 30°	55	12 x 39	12 x 63			77	18 x 60	18 x 63				2	2
	30° to 37.5°	56	12 x 39	12 x 72			68	12 x 42	18 x 66				2	3
	37.5° to 45°	60	12 x 36	18 x 69			65	12 x 39	18 x 69				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	99	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 39	12 x 51			100	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 42	12 x 54			87	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 42	12 x 66			70	18 x 60	18 x 63				2	3
	30° to 37.5°	52	12 x 42	18 x 63			63	12 x 45	18 x 66				3	3
	37.5° to 45°	56	12 x 39	18 x 72			59	12 x 39	18 x 72				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	92	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 42	12 x 54			87	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 57			75	18 x 60	18 x 60				2	3
	22.5° to 30°	47	12 x 45	12 x 69			65	18 x 60	18 x 66				3	3
	30° to 37.5°	49	12 x 42	18 x 63			58	18 x 60	18 x 69				3	3
	37.5° to 45°	52	12 x 42	18 x 75			55	12 x 42	18 x 75				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 45	12 x 57			76	18 x 60	18 x 60				2	3
	15° to 22.5°	45	12 x 45	12 x 60			66	18 x 60	18 x 60				3	3
	22.5° to 30°	44	12 x 48	12 x 72			60	18 x 60	18 x 69				3	NA
	30° to 37.5°	45	12 x 45	18 x 66			54	18 x 60	18 x 72				3	NA
	37.5° to 45°	49	12 x 45	18 x 78			51	12 x 45	18 x 78				3	NA

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	56	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			82	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	47	12 x 45	12 x 57					67	18 x 60	18 x 60				3	3
	15° to 22.5°	39	12 x 45	12 x 60					58	18 x 60	18 x 60				3	3
	22.5° to 30°	40	12 x 48	12 x 72					53	18 x 60	18 x 69				NA	NA
	30° to 37.5°	43	12 x 48	18 x 69					50	18 x 60	18 x 75				NA	NA
	37.5° to 45°	46	12 x 45	18 x 81					47	12 x 48	18 x 81				NA	NA

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	53	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			77	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 48	12 x 60					59	18 x 60	18 x 60				3	3
	15° to 22.5°	34	12 x 45	12 x 60					51	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	12 x 48	12 x 72					46	18 x 60	18 x 69				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72					47	18 x 60	18 x 78				NA	NA
	37.5° to 45°	43	12 x 48	18 x 81					44	12 x 48	18 x 84				NA	NA

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	50	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	12 x 48	12 x 60					53	18 x 60	18 x 60				3	NA
	15° to 22.5°	30	12 x 45	12 x 60					45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72					41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72					43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	41	18 x 60	18 x 84					42	18 x 60	18 x 87				NA	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	108	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 30	12 x 39			120	18 x 60	12 x 54				2	2
	15° to 22.5°	68	12 x 33	12 x 48			117	18 x 60	12 x 63				2	2
	22.5° to 30°	66	12 x 33	12 x 57			94	12 x 42	12 x 69				2	2
	30° to 37.5°	67	12 x 33	12 x 63			84	12 x 36	12 x 72				2	2
	37.5° to 45°	72	12 x 30	18 x 60			79	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	66	12 x 30	12 x 39			116	18 x 60	18 x 60				2	2
	15° to 22.5°	66	12 x 36	12 x 51			111	18 x 60	12 x 63				2	2
	22.5° to 30°	63	12 x 36	12 x 60			89	12 x 42	12 x 69				2	2
	30° to 37.5°	64	12 x 33	12 x 66			79	12 x 39	12 x 72				2	2
	37.5° to 45°	69	12 x 33	18 x 63			75	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	104	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 33	12 x 42			113	18 x 60	18 x 60				2	2
	15° to 22.5°	63	12 x 36	12 x 51			105	18 x 60	12 x 63				2	2
	22.5° to 30°	60	12 x 36	12 x 60			85	12 x 45	12 x 72				2	2
	30° to 37.5°	61	12 x 36	12 x 69			75	12 x 39	18 x 63				2	2
	37.5° to 45°	66	12 x 33	18 x 66			71	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	102	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 36	12 x 45			110	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 39	12 x 51			100	18 x 60	12 x 66				2	2
	22.5° to 30°	58	12 x 39	12 x 63			80	18 x 60	12 x 72				2	2
	30° to 37.5°	59	12 x 36	12 x 69			72	12 x 42	18 x 63				2	2
	37.5° to 45°	63	12 x 36	18 x 66			68	12 x 36	18 x 69				2	2

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	99	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 36	12 x 45			107	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 39	12 x 54			95	18 x 60	12 x 66				2	2
	22.5° to 30°	55	12 x 39	12 x 63			77	18 x 60	18 x 63				2	2
	30° to 37.5°	56	12 x 39	12 x 72			68	12 x 42	18 x 66				2	3
	37.5° to 45°	60	12 x 36	18 x 69			65	12 x 39	18 x 69				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	94	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 39	12 x 51			100	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 42	12 x 54			87	18 x 60	18 x 60				2	2
	22.5° to 30°	51	12 x 42	12 x 66			70	18 x 60	18 x 63				2	3
	30° to 37.5°	52	12 x 42	18 x 63			63	12 x 45	18 x 66				3	3
	37.5° to 45°	56	12 x 39	18 x 72			59	12 x 39	18 x 72				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 42	12 x 54			87	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 57			75	18 x 60	18 x 60				2	3
	22.5° to 30°	47	12 x 45	12 x 69			65	18 x 60	18 x 66				3	3
	30° to 37.5°	49	12 x 42	18 x 63			58	18 x 60	18 x 69				3	3
	37.5° to 45°	52	12 x 42	18 x 75			55	12 x 42	18 x 75				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	86	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	12 x 45	12 x 57			76	18 x 60	18 x 60				2	3
	15° to 22.5°	45	12 x 45	12 x 60			66	18 x 60	18 x 60				3	3
	22.5° to 30°	44	12 x 48	12 x 72			60	18 x 60	18 x 69				3	NA
	30° to 37.5°	45	12 x 45	18 x 66			54	18 x 60	18 x 72				3	NA
	37.5° to 45°	49	12 x 45	18 x 78			51	12 x 45	18 x 78				3	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	56	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		82	18 x 60	18 x 60	Yes	Yes	Yes	2	3
7.5° to 15°	47	12 x 45	12 x 57				67	18 x 60	18 x 60				3	3
15° to 22.5°	39	12 x 45	12 x 60				58	18 x 60	18 x 60				3	3
22.5° to 30°	40	12 x 48	12 x 72				53	18 x 60	18 x 69				NA	NA
30° to 37.5°	43	12 x 48	18 x 69				50	18 x 60	18 x 75				NA	NA
37.5° to 45°	46	12 x 45	18 x 81				47	12 x 48	18 x 81				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	53	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		77	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	42	12 x 48	12 x 60				59	18 x 60	18 x 60				3	3
15° to 22.5°	34	12 x 45	12 x 60				51	18 x 60	18 x 60				3	NA
22.5° to 30°	35	12 x 48	12 x 72				46	18 x 60	18 x 69				NA	NA
30° to 37.5°	40	18 x 60	18 x 72				47	18 x 60	18 x 78				NA	NA
37.5° to 45°	43	12 x 48	18 x 81				44	12 x 48	18 x 84				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	50	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	37	12 x 48	12 x 60				53	18 x 60	18 x 60				3	NA
15° to 22.5°	30	12 x 45	12 x 60				45	18 x 60	18 x 60				NA	NA
22.5° to 30°	31	12 x 48	12 x 72				41	18 x 60	18 x 69				NA	NA
30° to 37.5°	35	18 x 60	18 x 72				43	18 x 60	18 x 78				NA	NA
37.5° to 45°	41	18 x 60	18 x 84				42	18 x 60	18 x 87				NA	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 20 psf	

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	92	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 30	12 x 36			105	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 30	12 x 48			116	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 33	12 x 54			94	18 x 60	12 x 69				2	2
	30° to 37.5°	62	12 x 30	12 x 63			84	12 x 36	12 x 72				2	2
	37.5° to 45°	66	12 x 30	12 x 72			79	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	91	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 39			102	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 33	12 x 48			109	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 33	12 x 57			89	18 x 60	12 x 69				2	2
	30° to 37.5°	61	12 x 33	12 x 63			79	12 x 39	12 x 72				2	2
	37.5° to 45°	64	12 x 30	18 x 60			75	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 39			99	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 36	12 x 48			104	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 36	12 x 60			85	18 x 60	12 x 72				2	2
	30° to 37.5°	59	12 x 33	12 x 66			75	12 x 39	18 x 63				2	2
	37.5° to 45°	62	12 x 33	18 x 63			71	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 33	12 x 42			95	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 36	12 x 51			98	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 36	12 x 60			80	18 x 60	12 x 72				2	2
	30° to 37.5°	57	12 x 36	12 x 69			72	12 x 42	18 x 63				2	2
	37.5° to 45°	61	12 x 33	18 x 66			68	12 x 36	18 x 69				2	2

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 33	12 x 45			90	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 39	12 x 51			93	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 39	12 x 63			77	18 x 60	18 x 63				2	3
	30° to 37.5°	55	12 x 39	12 x 72			68	12 x 42	18 x 66				2	3
	37.5° to 45°	59	12 x 36	18 x 66			65	12 x 39	18 x 69				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	52	12 x 36	12 x 48			83	18 x 60	18 x 60				2	3
	15° to 22.5°	52	12 x 42	12 x 54			83	18 x 60	18 x 60				2	3
	22.5° to 30°	51	12 x 42	12 x 66			70	18 x 60	18 x 63				2	3
	30° to 37.5°	52	12 x 42	18 x 63			63	12 x 45	18 x 66				3	3
	37.5° to 45°	56	12 x 39	18 x 72			59	12 x 39	18 x 72				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	50	12 x 39	12 x 51			75	18 x 60	18 x 60				3	3
	15° to 22.5°	50	12 x 45	12 x 57			75	18 x 60	18 x 60				3	3
	22.5° to 30°	47	12 x 45	12 x 69			65	18 x 60	18 x 66				3	3
	30° to 37.5°	49	12 x 42	18 x 63			58	18 x 60	18 x 69				3	3
	37.5° to 45°	52	12 x 42	18 x 75			55	12 x 42	18 x 75				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	48	12 x 42	12 x 54			69	18 x 60	18 x 60				3	3
	15° to 22.5°	45	12 x 45	12 x 60			66	18 x 60	18 x 60				3	3
	22.5° to 30°	44	12 x 48	12 x 72			60	18 x 60	18 x 69				3	NA
	30° to 37.5°	45	12 x 45	18 x 66			54	18 x 60	18 x 72				3	NA
	37.5° to 45°	49	12 x 45	18 x 78			51	12 x 45	18 x 78				3	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	46	12 x 45	12 x 57			63	18 x 60	18 x 60				3	3
	15° to 22.5°	39	12 x 45	12 x 60			58	18 x 60	18 x 60				3	3
	22.5° to 30°	40	12 x 48	12 x 72			53	18 x 60	18 x 69				NA	NA
	30° to 37.5°	43	12 x 48	18 x 69			50	18 x 60	18 x 75				NA	NA
	37.5° to 45°	46	12 x 45	18 x 81			47	12 x 48	18 x 81				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 48	12 x 60			58	18 x 60	18 x 60				3	NA
	15° to 22.5°	34	12 x 45	12 x 60			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	12 x 48	12 x 72			46	18 x 60	18 x 69				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72			47	18 x 60	18 x 78				NA	NA
	37.5° to 45°	43	12 x 48	18 x 81			44	12 x 48	18 x 84				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	12 x 48	12 x 60			53	18 x 60	18 x 60				3	NA
	15° to 22.5°	30	12 x 45	12 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72			41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	41	18 x 60	18 x 84			42	18 x 60	18 x 87				NA	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	89	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 36			101	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 30	12 x 45			98	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 54			94	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 60			84	18 x 60	12 x 72				2	2
	37.5° to 45°	61	12 x 30	12 x 69			79	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 36			98	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 33	12 x 45			93	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 33	12 x 57			89	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 63			79	18 x 60	12 x 72				2	2
	37.5° to 45°	60	12 x 30	12 x 72			75	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39			94	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 33	12 x 48			89	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 33	12 x 57			85	18 x 60	18 x 60				2	3
	30° to 37.5°	55	12 x 33	12 x 63			75	18 x 60	18 x 63				2	2
	37.5° to 45°	58	12 x 33	18 x 60			71	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	85	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 33	12 x 42			90	18 x 60	18 x 60				2	3
	15° to 22.5°	53	12 x 36	12 x 48			85	18 x 60	18 x 60				2	3
	22.5° to 30°	52	12 x 36	12 x 60			80	18 x 60	18 x 60				2	3
	30° to 37.5°	54	12 x 36	12 x 66			72	18 x 60	18 x 63				2	3
	37.5° to 45°	57	12 x 33	18 x 63			68	12 x 36	18 x 69				2	3

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 30 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 33	12 x 42			86	18 x 60	18 x 60				2	3
	15° to 22.5°	52	12 x 36	12 x 51			81	18 x 60	18 x 60				2	3
	22.5° to 30°	51	12 x 39	12 x 60			77	18 x 60	18 x 63				2	3
	30° to 37.5°	52	12 x 36	12 x 69			68	18 x 60	18 x 66				2	3
	37.5° to 45°	56	12 x 36	18 x 66			65	12 x 39	18 x 69				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	51	12 x 36	12 x 48			79	18 x 60	18 x 60				2	3
	15° to 22.5°	49	12 x 39	12 x 54			74	18 x 60	18 x 60				3	3
	22.5° to 30°	48	12 x 42	12 x 66			70	18 x 60	18 x 63				3	3
	30° to 37.5°	50	12 x 39	12 x 72			63	18 x 60	18 x 66				3	3
	37.5° to 45°	53	12 x 39	18 x 69			59	12 x 39	18 x 72				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	78	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	49	12 x 39	12 x 51			72	18 x 60	18 x 60				3	3
	15° to 22.5°	47	12 x 42	12 x 57			67	18 x 60	18 x 60				3	3
	22.5° to 30°	46	12 x 45	12 x 69			64	18 x 60	18 x 66				3	3
	30° to 37.5°	47	12 x 42	18 x 63			58	18 x 60	18 x 69				3	3
	37.5° to 45°	50	12 x 42	18 x 72			55	12 x 42	18 x 75				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	12 x 42	12 x 54			66	18 x 60	18 x 60				3	3
	15° to 22.5°	45	12 x 45	12 x 60			61	18 x 60	18 x 60				3	3
	22.5° to 30°	44	12 x 48	12 x 72			58	18 x 60	18 x 66				3	NA
	30° to 37.5°	45	12 x 45	18 x 66			54	18 x 60	18 x 72				3	NA
	37.5° to 45°	48	12 x 45	18 x 75			51	12 x 45	18 x 78				3	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	50	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	3	3			
	7.5° to 15°	45	12 x 45	12 x 57									61	18 x 60	18 x 60	3	3
	15° to 22.5°	39	12 x 45	12 x 60									56	18 x 60	18 x 60	3	NA
	22.5° to 30°	40	12 x 48	12 x 72									53	18 x 60	18 x 69	NA	NA
	30° to 37.5°	43	12 x 48	18 x 69									50	18 x 60	18 x 75	NA	NA
	37.5° to 45°	46	12 x 45	18 x 81									47	12 x 48	18 x 81	NA	NA

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	48	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	3	3			
	7.5° to 15°	42	12 x 48	12 x 60									56	18 x 60	18 x 60	3	NA
	15° to 22.5°	34	12 x 45	12 x 60									51	18 x 60	18 x 60	3	NA
	22.5° to 30°	35	12 x 48	12 x 72									46	18 x 60	18 x 69	NA	NA
	30° to 37.5°	40	18 x 60	18 x 72									47	18 x 60	18 x 78	NA	NA
	37.5° to 45°	43	12 x 48	18 x 81									44	12 x 48	18 x 84	NA	NA

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F						
	0° to 7.5°	46	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	3	NA			
	7.5° to 15°	37	12 x 48	12 x 60									52	18 x 60	18 x 60	3	NA
	15° to 22.5°	30	12 x 45	12 x 60									45	18 x 60	18 x 60	NA	NA
	22.5° to 30°	31	12 x 48	12 x 72									41	18 x 60	18 x 69	NA	NA
	30° to 37.5°	35	18 x 60	18 x 72									43	18 x 60	18 x 78	NA	NA
	37.5° to 45°	41	18 x 60	18 x 84									42	18 x 60	18 x 87	NA	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	54	12 x 30	12 x 36			87	18 x 60	18 x 60				2	3
	15° to 22.5°	53	12 x 30	12 x 45			85	18 x 60	18 x 60				2	3
	22.5° to 30°	53	12 x 30	12 x 51			84	18 x 60	18 x 60				2	3
	30° to 37.5°	54	12 x 30	12 x 57			84	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 66			79	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	53	12 x 30	12 x 36			84	18 x 60	18 x 60				2	3
	15° to 22.5°	52	12 x 30	12 x 45			81	18 x 60	18 x 60				2	3
	22.5° to 30°	51	12 x 30	12 x 54			81	18 x 60	18 x 60				2	3
	30° to 37.5°	53	12 x 30	12 x 60			79	18 x 60	18 x 60				2	3
	37.5° to 45°	56	12 x 30	12 x 69			75	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	52	12 x 30	12 x 36			81	18 x 60	18 x 60				2	3
	15° to 22.5°	51	12 x 33	12 x 45			78	18 x 60	18 x 60				2	3
	22.5° to 30°	50	12 x 33	12 x 57			77	18 x 60	18 x 60				2	3
	30° to 37.5°	52	12 x 33	12 x 63			75	18 x 60	18 x 63				2	3
	37.5° to 45°	55	12 x 30	12 x 72			71	12 x 36	18 x 66				2	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	51	12 x 30	12 x 39			78	18 x 60	18 x 60				2	3
	15° to 22.5°	50	12 x 33	12 x 48			75	18 x 60	18 x 60				3	3
	22.5° to 30°	49	12 x 36	12 x 57			74	18 x 60	18 x 60				3	3
	30° to 37.5°	51	12 x 33	12 x 66			72	18 x 60	18 x 63				2	3
	37.5° to 45°	54	12 x 33	18 x 63			68	12 x 36	18 x 69				2	3

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 40 psf	

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	78	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	50	12 x 33	12 x 42			75	18 x 60	18 x 60				3	3
	15° to 22.5°	49	12 x 36	12 x 48			72	18 x 60	18 x 60				3	3
	22.5° to 30°	48	12 x 36	12 x 60			70	18 x 60	18 x 60				3	3
	30° to 37.5°	50	12 x 36	12 x 66			68	18 x 60	18 x 66				3	3
	37.5° to 45°	53	12 x 33	18 x 63			65	12 x 39	18 x 69				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	48	12 x 36	12 x 45			70	18 x 60	18 x 60				3	3
	15° to 22.5°	47	12 x 39	12 x 51			66	18 x 60	18 x 60				3	3
	22.5° to 30°	46	12 x 39	12 x 63			64	18 x 60	18 x 60				3	3
	30° to 37.5°	47	12 x 39	12 x 72			63	18 x 60	18 x 66				3	3
	37.5° to 45°	50	12 x 36	18 x 69			59	12 x 39	18 x 72				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	46	12 x 39	12 x 48			65	18 x 60	18 x 60				3	3
	15° to 22.5°	45	12 x 42	12 x 54			61	18 x 60	18 x 60				3	3
	22.5° to 30°	44	12 x 42	12 x 66			58	18 x 60	18 x 63				3	NA
	30° to 37.5°	45	12 x 42	18 x 63			58	18 x 60	18 x 69				3	3
	37.5° to 45°	48	12 x 39	18 x 72			55	12 x 42	18 x 75				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	71	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	12 x 42	12 x 51			60	18 x 60	18 x 60				3	3
	15° to 22.5°	43	12 x 45	12 x 57			56	18 x 60	18 x 60				3	NA
	22.5° to 30°	42	12 x 45	12 x 69			53	18 x 60	18 x 66				3	NA
	30° to 37.5°	43	12 x 45	18 x 66			54	18 x 60	18 x 72				3	NA
	37.5° to 45°	46	12 x 42	18 x 75			51	12 x 45	18 x 78				3	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	67	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	43	12 x 45	12 x 54			55	18 x 60	18 x 60				3	NA
	15° to 22.5°	39	12 x 45	12 x 60			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	40	18 x 60	12 x 72			49	18 x 60	18 x 66				NA	NA
	30° to 37.5°	41	12 x 48	18 x 69			50	18 x 60	18 x 75				NA	NA
	37.5° to 45°	44	12 x 45	18 x 78			47	18 x 60	18 x 81				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	63	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	41	18 x 60	12 x 57			51	18 x 60	18 x 60				3	NA
	15° to 22.5°	34	12 x 45	12 x 60			47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	12 x 48	12 x 72			45	18 x 60	18 x 69				NA	NA
	30° to 37.5°	39	18 x 60	18 x 72			47	18 x 60	18 x 78				NA	NA
	37.5° to 45°	42	12 x 48	18 x 81			44	18 x 60	18 x 84				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	37	12 x 48	12 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	12 x 45	12 x 60			43	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72			41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	40	18 x 60	18 x 84			42	18 x 60	18 x 87				NA	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	50	12 x 30	12 x 36			76	18 x 60	18 x 60				3	3
	15° to 22.5°	50	12 x 30	12 x 42			75	18 x 60	18 x 60				3	3
	22.5° to 30°	50	12 x 30	12 x 51			75	18 x 60	18 x 60				3	3
	30° to 37.5°	51	12 x 30	12 x 57			80	18 x 60	18 x 60				2	3
	37.5° to 45°	54	12 x 30	12 x 66			79	18 x 60	18 x 63				2	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	49	12 x 30	12 x 36			74	18 x 60	18 x 60				3	3
	15° to 22.5°	49	12 x 30	12 x 42			72	18 x 60	18 x 60				3	3
	22.5° to 30°	49	12 x 30	12 x 54			72	18 x 60	18 x 60				3	3
	30° to 37.5°	50	12 x 30	12 x 60			77	18 x 60	18 x 60				2	3
	37.5° to 45°	53	12 x 30	12 x 69			75	18 x 60	18 x 66				2	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	49	12 x 30	12 x 39			72	18 x 60	18 x 60				3	3
	15° to 22.5°	48	12 x 30	12 x 45			70	18 x 60	18 x 60				3	3
	22.5° to 30°	48	12 x 33	12 x 54			69	18 x 60	18 x 60				3	3
	30° to 37.5°	49	12 x 30	12 x 60			74	18 x 60	18 x 60				3	3
	37.5° to 45°	52	12 x 30	12 x 69			71	18 x 60	18 x 66				2	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	48	12 x 30	12 x 39			69	18 x 60	18 x 60				3	3
	15° to 22.5°	47	12 x 33	12 x 45			67	18 x 60	18 x 60				3	3
	22.5° to 30°	47	12 x 33	12 x 57			66	18 x 60	18 x 60				3	3
	30° to 37.5°	48	12 x 33	12 x 63			71	18 x 60	18 x 63				3	3
	37.5° to 45°	51	12 x 30	12 x 72			68	18 x 60	18 x 69				3	3

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 50 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	12 x 30	12 x 39			67	18 x 60	18 x 60				3	3
	15° to 22.5°	46	12 x 33	12 x 48			64	18 x 60	18 x 60				3	3
	22.5° to 30°	46	12 x 36	12 x 60			64	18 x 60	18 x 60				3	3
	30° to 37.5°	47	12 x 33	12 x 66			68	18 x 60	18 x 63				3	3
	37.5° to 45°	50	12 x 33	18 x 63			65	18 x 60	18 x 69				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	71	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	45	12 x 33	12 x 45			63	18 x 60	18 x 60				3	3
	15° to 22.5°	44	12 x 39	12 x 51			60	18 x 60	18 x 60				3	3
	22.5° to 30°	44	12 x 39	12 x 63			59	18 x 60	18 x 60				3	NA
	30° to 37.5°	45	12 x 36	12 x 69			62	18 x 60	18 x 66				3	3
	37.5° to 45°	48	12 x 36	18 x 66			59	18 x 60	18 x 72				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	67	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	12 x 36	12 x 48			58	18 x 60	18 x 60				3	NA
	15° to 22.5°	43	12 x 42	12 x 54			55	18 x 60	18 x 60				3	NA
	22.5° to 30°	42	12 x 42	12 x 66			54	18 x 60	18 x 60				3	NA
	30° to 37.5°	43	12 x 39	18 x 60			57	18 x 60	18 x 69				3	NA
	37.5° to 45°	46	12 x 39	18 x 69			55	18 x 60	18 x 75				3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	64	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	42	12 x 39	12 x 51			54	18 x 60	18 x 60				3	NA
	15° to 22.5°	41	18 x 60	12 x 57			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	40	18 x 60	12 x 69			50	18 x 60	18 x 63				NA	NA
	30° to 37.5°	42	12 x 42	18 x 63			53	18 x 60	18 x 72				3	NA
	37.5° to 45°	44	12 x 42	18 x 75			51	18 x 60	18 x 78				3	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	44	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		60	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	41	18 x 60	12 x 54				51	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	12 x 60				47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	12 x 72				46	18 x 60	18 x 63				NA	NA
	30° to 37.5°	40	18 x 60	18 x 66				48	18 x 60	18 x 72				NA	NA
	37.5° to 45°	43	12 x 45	18 x 78				47	18 x 60	18 x 81				NA	NA

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	43	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		57	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	12 x 57				47	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	12 x 45	12 x 60				44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	12 x 72				42	18 x 60	18 x 66				NA	NA
	30° to 37.5°	38	18 x 60	18 x 69				45	18 x 60	18 x 75				NA	NA
	37.5° to 45°	41	18 x 60	18 x 81				44	18 x 60	18 x 84				NA	NA

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	42	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		54	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	12 x 60				44	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	12 x 45	12 x 60				41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	12 x 72				39	18 x 60	18 x 66				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72				41	18 x 60	18 x 75				NA	NA
	37.5° to 45°	39	18 x 60	18 x 84				42	18 x 60	18 x 87				NA	NA

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	12 x 30	12 x 39			68	18 x 60	18 x 60				3	3
	15° to 22.5°	47	12 x 30	12 x 42			67	18 x 60	18 x 60				3	3
	22.5° to 30°	47	12 x 30	12 x 51			68	18 x 60	18 x 60				3	3
	30° to 37.5°	49	12 x 30	12 x 57			72	18 x 60	18 x 60				3	3
	37.5° to 45°	52	12 x 30	12 x 63			79	18 x 60	18 x 63				2	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	12 x 30	12 x 39			66	18 x 60	18 x 60				3	3
	15° to 22.5°	46	12 x 30	12 x 42			65	18 x 60	18 x 60				3	3
	22.5° to 30°	46	12 x 30	12 x 51			65	18 x 60	18 x 60				3	3
	30° to 37.5°	48	12 x 30	12 x 57			70	18 x 60	18 x 60				3	3
	37.5° to 45°	51	12 x 30	12 x 66			75	18 x 60	18 x 66				2	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	46	12 x 30	12 x 39			64	18 x 60	18 x 60				3	3
	15° to 22.5°	45	12 x 30	12 x 45			63	18 x 60	18 x 60				3	3
	22.5° to 30°	45	12 x 30	12 x 54			63	18 x 60	18 x 60				3	3
	30° to 37.5°	47	12 x 30	12 x 60			67	18 x 60	18 x 60				3	3
	37.5° to 45°	50	12 x 30	12 x 69			71	18 x 60	18 x 66				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	45	12 x 30	12 x 39			62	18 x 60	18 x 60				3	3
	15° to 22.5°	45	12 x 33	12 x 45			61	18 x 60	18 x 60				3	3
	22.5° to 30°	45	12 x 33	12 x 54			60	18 x 60	18 x 60				3	3
	30° to 37.5°	46	12 x 33	12 x 63			65	18 x 60	18 x 60				3	3
	37.5° to 45°	49	12 x 30	12 x 72			68	18 x 60	18 x 69				3	3

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	47	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		66	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	45	12 x 30	12 x 39				60	18 x 60	18 x 60				3	NA
15° to 22.5°	44	12 x 33	12 x 48				59	18 x 60	18 x 60				3	NA
22.5° to 30°	44	12 x 36	12 x 57				58	18 x 60	18 x 60				3	NA
30° to 37.5°	45	12 x 33	12 x 63				62	18 x 60	18 x 63				3	3
37.5° to 45°	48	12 x 33	18 x 60				65	18 x 60	18 x 69				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	46	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		63	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
7.5° to 15°	43	12 x 33	12 x 42				57	18 x 60	18 x 60				3	NA
15° to 22.5°	42	12 x 36	12 x 51				55	18 x 60	18 x 60				3	NA
22.5° to 30°	42	12 x 39	12 x 60				54	18 x 60	18 x 60				3	NA
30° to 37.5°	43	12 x 36	12 x 69				57	18 x 60	18 x 66				3	NA
37.5° to 45°	46	12 x 36	18 x 66				59	18 x 60	18 x 72				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	45	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		60	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
7.5° to 15°	42	12 x 36	12 x 45				53	18 x 60	18 x 60				3	NA
15° to 22.5°	41	18 x 60	12 x 54				51	18 x 60	18 x 60				3	NA
22.5° to 30°	40	18 x 60	12 x 63				50	18 x 60	18 x 60				NA	NA
30° to 37.5°	42	12 x 39	12 x 72				53	18 x 60	18 x 66				3	NA
37.5° to 45°	44	12 x 39	18 x 69				55	18 x 60	18 x 75				3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	43	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		57	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
7.5° to 15°	40	18 x 60	12 x 48				50	18 x 60	18 x 60				NA	NA
15° to 22.5°	39	18 x 60	12 x 57				47	18 x 60	18 x 60				NA	NA
22.5° to 30°	39	18 x 60	12 x 69				46	18 x 60	18 x 60				NA	NA
30° to 37.5°	40	18 x 60	18 x 63				49	18 x 60	18 x 69				NA	NA
37.5° to 45°	43	12 x 42	18 x 72				51	18 x 60	18 x 78				NA	NA

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	12 x 54			47	18 x 60	18 x 60				NA	NA
	15° to 22.5°	38	18 x 60	12 x 57			44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	37	18 x 60	12 x 72			43	18 x 60	18 x 63				NA	NA
	30° to 37.5°	39	18 x 60	18 x 66			45	18 x 60	18 x 72				NA	NA
	37.5° to 45°	41	12 x 45	18 x 75			47	18 x 60	18 x 81				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	12 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	12 x 72			40	18 x 60	18 x 63				NA	NA
	30° to 37.5°	37	18 x 60	18 x 69			42	18 x 60	18 x 72				NA	NA
	37.5° to 45°	40	18 x 60	18 x 78			44	18 x 60	18 x 84				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	49	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	12 x 45	12 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	12 x 72			37	18 x 60	18 x 66				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			39	18 x 60	18 x 75				NA	NA
	37.5° to 45°	38	18 x 60	18 x 81			42	18 x 60	18 x 87				NA	NA

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	45	12 x 30	12 x 39			61	18 x 60	18 x 60				3	NA
	15° to 22.5°	45	12 x 30	12 x 42			61	18 x 60	18 x 60				3	NA
	22.5° to 30°	45	12 x 30	12 x 48			61	18 x 60	18 x 60				3	3
	30° to 37.5°	47	12 x 30	12 x 54			66	18 x 60	18 x 60				3	3
	37.5° to 45°	49	12 x 30	12 x 63			74	18 x 60	18 x 63				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	44	12 x 30	12 x 39			60	18 x 60	18 x 60				3	NA
	15° to 22.5°	44	12 x 30	12 x 42			59	18 x 60	18 x 60				3	NA
	22.5° to 30°	44	12 x 30	12 x 51			59	18 x 60	18 x 60				3	3
	30° to 37.5°	46	12 x 30	12 x 57			64	18 x 60	18 x 60				3	3
	37.5° to 45°	49	12 x 30	12 x 66			72	18 x 60	18 x 63				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	44	12 x 30	12 x 39			58	18 x 60	18 x 60				3	NA
	15° to 22.5°	43	12 x 30	12 x 45			57	18 x 60	18 x 60				3	NA
	22.5° to 30°	43	12 x 30	12 x 51			57	18 x 60	18 x 60				3	NA
	30° to 37.5°	45	12 x 30	12 x 60			62	18 x 60	18 x 60				3	3
	37.5° to 45°	48	12 x 30	12 x 66			69	18 x 60	18 x 66				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	43	12 x 30	12 x 39			56	18 x 60	18 x 60				3	NA
	15° to 22.5°	43	12 x 30	12 x 45			55	18 x 60	18 x 60				3	NA
	22.5° to 30°	43	12 x 33	12 x 54			55	18 x 60	18 x 60				3	NA
	30° to 37.5°	44	12 x 30	12 x 60			59	18 x 60	18 x 60				3	3
	37.5° to 45°	47	12 x 30	12 x 69			67	18 x 60	18 x 69				3	3

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	42	12 x 30	12 x 39			55	18 x 60	18 x 60				3	NA
	15° to 22.5°	42	12 x 33	12 x 45			54	18 x 60	18 x 60				3	NA
	22.5° to 30°	42	12 x 33	12 x 57			54	18 x 60	18 x 60				3	NA
	30° to 37.5°	43	12 x 33	12 x 63			57	18 x 60	18 x 60				3	NA
	37.5° to 45°	46	12 x 30	12 x 72			65	18 x 60	18 x 69				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	57	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	41	12 x 33	12 x 42			52	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	18 x 60	12 x 48			50	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	12 x 60			50	18 x 60	18 x 60				NA	NA
	30° to 37.5°	42	12 x 36	12 x 66			53	18 x 60	18 x 63				3	NA
	37.5° to 45°	45	12 x 33	18 x 63			59	18 x 60	18 x 72				3	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	12 x 33	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	12 x 45			49	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	12 x 51			47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	12 x 63			46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	12 x 72			50	18 x 60	18 x 66				NA	NA
	37.5° to 45°	43	12 x 36	18 x 69			55	18 x 60	18 x 75				3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	12 x 36	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	15° to 22.5°	38	18 x 60	12 x 54			44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	38	18 x 60	12 x 66			43	18 x 60	18 x 60				NA	NA
	30° to 37.5°	39	18 x 60	18 x 63			46	18 x 60	18 x 66				NA	NA
	37.5° to 45°	41	12 x 39	18 x 72			51	18 x 60	18 x 78				NA	NA

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	50	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	30° to 37.5°	37	18 x 60	18 x 66			43	18 x 60	18 x 69				NA	NA
	37.5° to 45°	40	18 x 60	18 x 75			47	18 x 60	18 x 81				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60			37	18 x 60	18 x 63				NA	NA
	30° to 37.5°	36	18 x 60	18 x 69			40	18 x 60	18 x 72				NA	NA
	37.5° to 45°	39	18 x 60	18 x 78			44	18 x 60	18 x 84				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	45	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	12 x 60			36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	12 x 72			35	18 x 60	18 x 63				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			37	18 x 60	18 x 72				NA	NA
	37.5° to 45°	37	18 x 60	18 x 81			42	18 x 60	18 x 87				NA	NA

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	12 x 30	12 x 39			54	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	12 x 30	12 x 42			55	18 x 60	18 x 60				3	NA
	22.5° to 30°	43	12 x 30	12 x 48			56	18 x 60	18 x 60				3	NA
	30° to 37.5°	45	12 x 30	12 x 54			61	18 x 60	18 x 60				3	3
	37.5° to 45°	47	12 x 30	12 x 60			68	18 x 60	18 x 60				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	12 x 30	12 x 39			54	18 x 60	18 x 60				NA	NA
	15° to 22.5°	42	12 x 30	12 x 42			54	18 x 60	18 x 60				3	NA
	22.5° to 30°	42	12 x 30	12 x 51			55	18 x 60	18 x 60				3	NA
	30° to 37.5°	44	12 x 30	12 x 57			59	18 x 60	18 x 60				3	3
	37.5° to 45°	47	12 x 30	12 x 63			66	18 x 60	18 x 63				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	12 x 30	12 x 39			53	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	12 x 30	12 x 45			52	18 x 60	18 x 60				3	NA
	22.5° to 30°	42	12 x 30	12 x 51			53	18 x 60	18 x 60				3	NA
	30° to 37.5°	43	12 x 30	12 x 57			57	18 x 60	18 x 60				3	NA
	37.5° to 45°	46	12 x 30	12 x 66			64	18 x 60	18 x 63				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	41	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	12 x 39			52	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	18 x 60	12 x 45			51	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	12 x 54			51	18 x 60	18 x 60				3	NA
	30° to 37.5°	42	12 x 30	12 x 60			55	18 x 60	18 x 60				3	NA
	37.5° to 45°	45	12 x 30	12 x 69			62	18 x 60	18 x 66				3	3

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 80 psf			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	41	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	12 x 39					50	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	12 x 45					49	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	12 x 54					50	18 x 60	18 x 60				NA	NA
	30° to 37.5°	42	12 x 33	12 x 63					53	18 x 60	18 x 60				3	NA
	37.5° to 45°	44	12 x 30	12 x 72					60	18 x 60	18 x 69				3	NA

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	41	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60					48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	12 x 48					47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	12 x 60					46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	12 x 66					50	18 x 60	18 x 60				NA	NA
	37.5° to 45°	43	12 x 33	18 x 63					56	18 x 60	18 x 72				3	NA

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	41	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			50	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60					45	18 x 60	18 x 60				NA	NA
	15° to 22.5°	38	18 x 60	18 x 60					44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	38	18 x 60	12 x 63					43	18 x 60	18 x 60				NA	NA
	30° to 37.5°	39	18 x 60	12 x 69					46	18 x 60	18 x 63				NA	NA
	37.5° to 45°	42	12 x 36	18 x 66					53	18 x 60	18 x 75				NA	NA

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			48	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60					43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	37	18 x 60	18 x 60					41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	37	18 x 60	18 x 60					41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 60					43	18 x 60	18 x 66				NA	NA
	37.5° to 45°	40	18 x 60	18 x 69					49	18 x 60	18 x 78				NA	NA

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	46	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	36	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	30° to 37.5°	36	18 x 60	18 x 63			40	18 x 60	18 x 66				NA	NA
	37.5° to 45°	39	18 x 60	18 x 75			46	18 x 60	18 x 81				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	34	18 x 60	18 x 60			35	18 x 60	18 x 60				NA	NA
	30° to 37.5°	35	18 x 60	18 x 66			38	18 x 60	18 x 69				NA	NA
	37.5° to 45°	38	18 x 60	18 x 78			43	18 x 60	18 x 81				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	34	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60			33	18 x 60	18 x 63				NA	NA
	30° to 37.5°	34	18 x 60	18 x 69			35	18 x 60	18 x 72				NA	NA
	37.5° to 45°	36	18 x 60	18 x 81			40	18 x 60	18 x 84				NA	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	18 x 60	18 x 60			50	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	12 x 30	12 x 48			52	18 x 60	18 x 60				3	NA
	30° to 37.5°	43	12 x 30	12 x 51			56	18 x 60	18 x 60				3	NA
	37.5° to 45°	45	12 x 30	12 x 60			63	18 x 60	18 x 60				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60			50	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	12 x 48			51	18 x 60	18 x 60				3	NA
	30° to 37.5°	42	12 x 30	12 x 54			54	18 x 60	18 x 60				3	NA
	37.5° to 45°	45	12 x 30	12 x 63			61	18 x 60	18 x 60				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	12 x 51			49	18 x 60	18 x 60				NA	NA
	30° to 37.5°	42	12 x 30	12 x 57			53	18 x 60	18 x 60				3	NA
	37.5° to 45°	44	12 x 30	12 x 66			59	18 x 60	18 x 63				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	12 x 45			47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	12 x 54			48	18 x 60	18 x 60				NA	NA
	30° to 37.5°	41	18 x 60	12 x 60			51	18 x 60	18 x 60				3	NA
	37.5° to 45°	44	12 x 30	12 x 69			58	18 x 60	18 x 63				3	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	12 x 54			46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	12 x 60			50	18 x 60	18 x 60				3	NA
	37.5° to 45°	43	12 x 30	12 x 69			56	18 x 60	18 x 66				3	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	15° to 22.5°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	22.5° to 30°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	30° to 37.5°	39	18 x 60	12 x 66			47	18 x 60	18 x 60				NA	NA
	37.5° to 45°	42	12 x 33	18 x 63			53	18 x 60	18 x 69				3	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	46	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60			42	18 x 60	18 x 60				NA	NA
	15° to 22.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 66			50	18 x 60	18 x 72				NA	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	15° to 22.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	30° to 37.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 63				NA	NA
	37.5° to 45°	39	18 x 60	18 x 69			46	18 x 60	18 x 75				NA	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	43	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	34	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	30° to 37.5°	35	18 x 60	18 x 63			38	18 x 60	18 x 66				NA	NA
	37.5° to 45°	38	18 x 60	18 x 72			44	18 x 60	18 x 78				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	41	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	34	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	22.5° to 30°	33	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	30° to 37.5°	34	18 x 60	18 x 66			36	18 x 60	18 x 69				NA	NA
	37.5° to 45°	37	18 x 60	18 x 75			41	18 x 60	18 x 81				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	34	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60			32	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60			32	18 x 60	18 x 60				NA	NA
	30° to 37.5°	33	18 x 60	18 x 69			34	18 x 60	18 x 69				NA	NA
	37.5° to 45°	36	18 x 60	18 x 81			38	18 x 60	18 x 81				NA	NA

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	30° to 37.5°	41	12 x 30	12 x 51			52	18 x 60	18 x 60				3	NA
	37.5° to 45°	44	12 x 30	12 x 60			58	18 x 60	18 x 60				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	30° to 37.5°	41	18 x 60	12 x 54			51	18 x 60	18 x 60				3	NA
	37.5° to 45°	43	12 x 30	12 x 63			57	18 x 60	18 x 60				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	38	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	12 x 57			49	18 x 60	18 x 60				3	NA
	37.5° to 45°	43	12 x 30	12 x 63			55	18 x 60	18 x 60				3	NA

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	38	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	12 x 57			48	18 x 60	18 x 60				NA	NA
	37.5° to 45°	42	12 x 30	12 x 66			54	18 x 60	18 x 63				3	NA

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	37	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	22.5° to 30°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	30° to 37.5°	39	18 x 60	12 x 60			47	18 x 60	18 x 60				NA	NA
	37.5° to 45°	42	12 x 30	12 x 69			52	18 x 60	18 x 63				3	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 60			50	18 x 60	18 x 66				NA	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	15° to 22.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	30° to 37.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	37.5° to 45°	39	18 x 60	18 x 66			47	18 x 60	18 x 72				NA	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	41	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	30° to 37.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 63				NA	NA
	37.5° to 45°	38	18 x 60	18 x 69			44	18 x 60	18 x 72				NA	NA

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	40	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	34	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60			35	18 x 60	18 x 60				NA	NA
	22.5° to 30°	33	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	30° to 37.5°	35	18 x 60	18 x 63			36	18 x 60	18 x 63				NA	NA
	37.5° to 45°	37	18 x 60	18 x 72			41	18 x 60	18 x 75				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	35	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	38	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	33	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	15° to 22.5°	33	18 x 60	18 x 60			33	18 x 60	18 x 60				NA	NA
	22.5° to 30°	32	18 x 60	18 x 60			32	18 x 60	18 x 60				NA	NA
	30° to 37.5°	34	18 x 60	18 x 66			34	18 x 60	18 x 66				NA	NA
	37.5° to 45°	36	18 x 60	18 x 75			39	18 x 60	18 x 78				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	35	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	37	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	33	18 x 60	18 x 60			32	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60			31	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60			30	18 x 60	18 x 60				NA	NA
	30° to 37.5°	33	18 x 60	18 x 69			32	18 x 60	18 x 69				NA	NA
	37.5° to 45°	35	18 x 60	18 x 78			37	18 x 60	18 x 81				NA	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	36	18 x 60	18 x 60				40	18 x 60	18 x 60				NA	NA
15° to 22.5°	37	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
22.5° to 30°	38	18 x 60	18 x 60				44	18 x 60	18 x 60				NA	NA
30° to 37.5°	40	18 x 60	18 x 60				48	18 x 60	18 x 60				3	NA
37.5° to 45°	42	12 x 30	12 x 57				53	18 x 60	18 x 60				3	NA

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	36	18 x 60	18 x 60				40	18 x 60	18 x 60				NA	NA
15° to 22.5°	37	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
22.5° to 30°	38	18 x 60	18 x 60				44	18 x 60	18 x 60				NA	NA
30° to 37.5°	39	18 x 60	18 x 60				47	18 x 60	18 x 60				NA	NA
37.5° to 45°	42	12 x 30	12 x 60				53	18 x 60	18 x 60				3	NA

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	36	18 x 60	18 x 60				40	18 x 60	18 x 60				NA	NA
15° to 22.5°	37	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
22.5° to 30°	38	18 x 60	18 x 60				43	18 x 60	18 x 60				NA	NA
30° to 37.5°	39	18 x 60	18 x 60				46	18 x 60	18 x 60				NA	NA
37.5° to 45°	41	12 x 30	12 x 63				52	18 x 60	18 x 60				3	NA

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	36	18 x 60	18 x 60				40	18 x 60	18 x 60				NA	NA
15° to 22.5°	37	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
22.5° to 30°	37	18 x 60	18 x 60				42	18 x 60	18 x 60				NA	NA
30° to 37.5°	38	18 x 60	18 x 60				45	18 x 60	18 x 60				NA	NA
37.5° to 45°	41	18 x 60	18 x 60				51	18 x 60	18 x 60				3	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	15° to 22.5°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	22.5° to 30°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 60			49	18 x 60	18 x 63				NA	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	30° to 37.5°	37	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	37.5° to 45°	39	18 x 60	18 x 60			47	18 x 60	18 x 66				NA	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			37	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	30° to 37.5°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	37.5° to 45°	38	18 x 60	18 x 63			44	18 x 60	18 x 69				NA	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	36	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	34	18 x 60	18 x 60			35	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60			35	18 x 60	18 x 60				NA	NA
	22.5° to 30°	34	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	30° to 37.5°	35	18 x 60	18 x 60			37	18 x 60	18 x 60				NA	NA
	37.5° to 45°	37	18 x 60	18 x 69			42	18 x 60	18 x 72				NA	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	35	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	37	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	33	18 x 60	18 x 60			34	18 x 60	18 x 60				NA	NA
	15° to 22.5°	33	18 x 60	18 x 60			33	18 x 60	18 x 60				NA	NA
	22.5° to 30°	33	18 x 60	18 x 60			33	18 x 60	18 x 60				NA	NA
	30° to 37.5°	34	18 x 60	18 x 63			35	18 x 60	18 x 63				NA	NA
	37.5° to 45°	36	18 x 60	18 x 72			39	18 x 60	18 x 75				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	33	18 x 60	18 x 60			32	18 x 60	18 x 60				NA	NA
	15° to 22.5°	32	18 x 60	18 x 60			31	18 x 60	18 x 60				NA	NA
	22.5° to 30°	32	18 x 60	18 x 60			31	18 x 60	18 x 60				NA	NA
	30° to 37.5°	33	18 x 60	18 x 66			33	18 x 60	18 x 66				NA	NA
	37.5° to 45°	35	18 x 60	18 x 75			37	18 x 60	18 x 78				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	35	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	32	18 x 60	18 x 60			31	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60			29	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60			29	18 x 60	18 x 60				NA	NA
	30° to 37.5°	32	18 x 60	18 x 69			31	18 x 60	18 x 66				NA	NA
	37.5° to 45°	34	18 x 60	18 x 78			35	18 x 60	18 x 78				NA	NA

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	NA

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	NA

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 60			49	18 x 60	18 x 60				3	NA

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	35	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	30° to 37.5°	37	18 x 60	18 x 60			42	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf			

110 mph		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F				
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°		35	18 x 60	18 x 60	36			18 x 60	18 x 60	NA				NA	
15° to 22.5°		35	18 x 60	18 x 60	38			18 x 60	18 x 60	NA				NA	
22.5° to 30°		36	18 x 60	18 x 60	38			18 x 60	18 x 60	NA				NA	
30° to 37.5°		37	18 x 60	18 x 60	41			18 x 60	18 x 60	NA				NA	
37.5° to 45°		39	18 x 60	18 x 60	47			18 x 60	18 x 60	NA				NA	

120 mph		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F				
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°		35	18 x 60	18 x 60	36			18 x 60	18 x 60	NA				NA	
15° to 22.5°		34	18 x 60	18 x 60	36			18 x 60	18 x 60	NA				NA	
22.5° to 30°		35	18 x 60	18 x 60	36			18 x 60	18 x 60	NA				NA	
30° to 37.5°		36	18 x 60	18 x 60	39			18 x 60	18 x 60	NA				NA	
37.5° to 45°		38	18 x 60	18 x 60	44			18 x 60	18 x 63	NA				NA	

130 mph		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F				
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°		34	18 x 60	18 x 60	35			18 x 60	18 x 60	NA				NA	
15° to 22.5°		34	18 x 60	18 x 60	34			18 x 60	18 x 60	NA				NA	
22.5° to 30°		34	18 x 60	18 x 60	35			18 x 60	18 x 60	NA				NA	
30° to 37.5°		35	18 x 60	18 x 60	37			18 x 60	18 x 60	NA				NA	
37.5° to 45°		37	18 x 60	18 x 63	42			18 x 60	18 x 66	NA				NA	

140 mph		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F				
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°		33	18 x 60	18 x 60	33			18 x 60	18 x 60	NA				NA	
15° to 22.5°		33	18 x 60	18 x 60	33			18 x 60	18 x 60	NA				NA	
22.5° to 30°		33	18 x 60	18 x 60	33			18 x 60	18 x 60	NA				NA	
30° to 37.5°		34	18 x 60	18 x 60	35			18 x 60	18 x 60	NA				NA	
37.5° to 45°		36	18 x 60	18 x 66	40			18 x 60	18 x 69	NA				NA	

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	34	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	35	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	32	18 x 60	18 x 60			32	18 x 60	18 x 60				NA	NA
	15° to 22.5°	32	18 x 60	18 x 60			31	18 x 60	18 x 60				NA	NA
	22.5° to 30°	32	18 x 60	18 x 60			31	18 x 60	18 x 60				NA	NA
	30° to 37.5°	33	18 x 60	18 x 60			33	18 x 60	18 x 63				NA	NA
	37.5° to 45°	35	18 x 60	18 x 72			38	18 x 60	18 x 72				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	33	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	34	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	32	18 x 60	18 x 60			31	18 x 60	18 x 60				NA	NA
	15° to 22.5°	31	18 x 60	18 x 60			30	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60			29	18 x 60	18 x 60				NA	NA
	30° to 37.5°	32	18 x 60	18 x 63			31	18 x 60	18 x 63				NA	NA
	37.5° to 45°	34	18 x 60	18 x 75			36	18 x 60	18 x 75				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	33	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	33	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	31	18 x 60	18 x 60			29	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60			28	18 x 60	18 x 60				NA	NA
	22.5° to 30°	30	18 x 60	18 x 60			28	18 x 60	18 x 60				NA	NA
	30° to 37.5°	31	18 x 60	18 x 66			30	18 x 60	18 x 66				NA	NA
	37.5° to 45°	33	18 x 60	18 x 78			34	18 x 60	18 x 78				NA	NA

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	122	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	147	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	107	12 x 30	12 x 39			149	12 x 36	12 x 45				2	2
	15° to 22.5°	100	12 x 30	12 x 45			155	12 x 39	12 x 57				2	2
	22.5° to 30°	96	12 x 30	12 x 54			136	12 x 39	12 x 63				2	2
	30° to 37.5°	98	12 x 30	12 x 60			121	12 x 33	12 x 66				2	2
	37.5° to 45°	104	12 x 30	12 x 69			115	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	119	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	143	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	102	12 x 30	12 x 39			142	12 x 36	12 x 48				2	2
	15° to 22.5°	95	12 x 33	12 x 48			148	12 x 42	12 x 57				2	2
	22.5° to 30°	91	12 x 33	12 x 57			129	12 x 39	12 x 66				2	2
	30° to 37.5°	93	12 x 30	12 x 63			115	12 x 36	12 x 69				2	2
	37.5° to 45°	100	12 x 30	12 x 72			109	12 x 30	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	114	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	138	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	98	12 x 30	12 x 39			136	12 x 39	12 x 48				2	2
	15° to 22.5°	91	12 x 33	12 x 48			142	12 x 42	12 x 57				2	2
	22.5° to 30°	87	12 x 33	12 x 57			123	12 x 42	12 x 66				2	2
	30° to 37.5°	89	12 x 33	12 x 63			109	12 x 36	12 x 69				2	2
	37.5° to 45°	95	12 x 30	12 x 72			103	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	110	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	132	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	94	12 x 33	12 x 42			131	12 x 39	12 x 51				2	2
	15° to 22.5°	88	12 x 36	12 x 48			136	12 x 45	12 x 60				2	2
	22.5° to 30°	84	12 x 36	12 x 60			117	12 x 42	12 x 69				2	2
	30° to 37.5°	86	12 x 33	12 x 66			104	12 x 39	12 x 72				2	2
	37.5° to 45°	91	12 x 33	18 x 63			98	12 x 33	18 x 66				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	106	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	127	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	90	12 x 33	12 x 42			126	12 x 42	12 x 51				2	2
	15° to 22.5°	84	12 x 36	12 x 51			131	12 x 48	12 x 60				2	2
	22.5° to 30°	80	12 x 36	12 x 60			112	12 x 45	12 x 69				2	2
	30° to 37.5°	82	12 x 36	12 x 66			99	12 x 39	12 x 72				2	2
	37.5° to 45°	88	12 x 33	18 x 63			94	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	98	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	119	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	83	12 x 36	12 x 45			116	12 x 45	12 x 57				2	2
	15° to 22.5°	78	12 x 39	12 x 51			121	18 x 60	12 x 63				2	2
	22.5° to 30°	74	12 x 39	12 x 63			102	12 x 48	12 x 72				2	2
	30° to 37.5°	76	12 x 36	12 x 69			91	12 x 42	18 x 63				2	2
	37.5° to 45°	81	12 x 36	18 x 66			86	12 x 36	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	92	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	111	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	78	12 x 39	12 x 48			108	12 x 48	12 x 60				2	2
	15° to 22.5°	72	12 x 42	12 x 54			112	18 x 60	12 x 66				2	2
	22.5° to 30°	69	12 x 42	12 x 66			94	18 x 60	18 x 63				2	2
	30° to 37.5°	71	12 x 39	12 x 72			84	12 x 45	18 x 66				2	2
	37.5° to 45°	76	12 x 39	18 x 69			79	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	86	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	104	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	73	12 x 42	12 x 51			101	18 x 60	12 x 63				2	2
	15° to 22.5°	67	12 x 42	12 x 57			105	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 45	12 x 69			88	18 x 60	18 x 66				2	2
	30° to 37.5°	66	12 x 42	18 x 63			78	12 x 45	18 x 69				2	2
	37.5° to 45°	71	12 x 42	18 x 72			74	12 x 42	18 x 75				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		
					Snow-Free Region		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	98	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 42	12 x 54			95	18 x 60	12 x 66				2	2
	15° to 22.5°	63	12 x 45	12 x 57			96	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 45	12 x 69			82	18 x 60	18 x 66				2	2
	30° to 37.5°	62	12 x 45	18 x 66			73	12 x 48	18 x 69				2	2
	37.5° to 45°	66	12 x 42	18 x 75			69	12 x 45	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	92	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 45	12 x 57			90	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 45	12 x 60			85	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 48	12 x 72			77	18 x 60	18 x 69				2	2
	30° to 37.5°	58	12 x 45	18 x 66			68	18 x 60	18 x 72				2	2
	37.5° to 45°	62	12 x 45	18 x 78			65	12 x 45	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 54	12 x 54	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 48	12 x 57			85	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60			76	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 48	12 x 72			69	18 x 60	18 x 69				2	2
	30° to 37.5°	55	12 x 48	18 x 69			64	18 x 60	18 x 75				2	2
	37.5° to 45°	59	12 x 45	18 x 78			61	12 x 48	18 x 81				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	107	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	129	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	99	12 x 30	12 x 36			139	12 x 33	12 x 42				2	2
	15° to 22.5°	99	12 x 30	12 x 45			154	12 x 39	12 x 57				2	2
	22.5° to 30°	96	12 x 30	12 x 54			136	12 x 39	12 x 63				2	2
	30° to 37.5°	98	12 x 30	12 x 60			121	12 x 33	12 x 66				2	2
	37.5° to 45°	104	12 x 30	12 x 69			115	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	106	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	128	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	96	12 x 30	12 x 36			135	12 x 36	12 x 45				2	2
	15° to 22.5°	95	12 x 33	12 x 48			148	12 x 42	12 x 57				2	2
	22.5° to 30°	91	12 x 33	12 x 57			129	12 x 39	12 x 66				2	2
	30° to 37.5°	93	12 x 30	12 x 63			115	12 x 36	12 x 69				2	2
	37.5° to 45°	100	12 x 30	12 x 72			109	12 x 30	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	103	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	124	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	94	12 x 30	12 x 39			131	12 x 36	12 x 48				2	2
	15° to 22.5°	91	12 x 33	12 x 48			142	12 x 42	12 x 57				2	2
	22.5° to 30°	87	12 x 33	12 x 57			123	12 x 42	12 x 66				2	2
	30° to 37.5°	89	12 x 33	12 x 63			109	12 x 36	12 x 69				2	2
	37.5° to 45°	95	12 x 30	12 x 72			103	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	101	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	122	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	91	12 x 33	12 x 42			127	12 x 39	12 x 51				2	2
	15° to 22.5°	88	12 x 36	12 x 48			136	12 x 45	12 x 60				2	2
	22.5° to 30°	84	12 x 36	12 x 60			117	12 x 42	12 x 69				2	2
	30° to 37.5°	86	12 x 33	12 x 66			104	12 x 39	12 x 72				2	2
	37.5° to 45°	91	12 x 33	18 x 63			98	12 x 33	18 x 66				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	98	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	119	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	88	12 x 33	12 x 42			123	12 x 42	12 x 51				2	2
	15° to 22.5°	84	12 x 36	12 x 51			131	12 x 48	12 x 60				2	2
	22.5° to 30°	80	12 x 36	12 x 60			112	12 x 45	12 x 69				2	2
	30° to 37.5°	82	12 x 36	12 x 66			99	12 x 39	12 x 72				2	2
	37.5° to 45°	88	12 x 33	18 x 63			94	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	94	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	113	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	83	12 x 36	12 x 45			116	12 x 45	12 x 57				2	2
	15° to 22.5°	78	12 x 39	12 x 51			121	18 x 60	12 x 63				2	2
	22.5° to 30°	74	12 x 39	12 x 63			102	12 x 48	12 x 72				2	2
	30° to 37.5°	76	12 x 36	12 x 69			91	12 x 42	18 x 63				2	2
	37.5° to 45°	81	12 x 36	18 x 66			86	12 x 36	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	108	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	78	12 x 39	12 x 48			108	12 x 48	12 x 60				2	2
	15° to 22.5°	72	12 x 42	12 x 54			112	18 x 60	12 x 66				2	2
	22.5° to 30°	69	12 x 42	12 x 66			94	18 x 60	18 x 63				2	2
	30° to 37.5°	71	12 x 39	12 x 72			84	12 x 45	18 x 66				2	2
	37.5° to 45°	76	12 x 39	18 x 69			79	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	103	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	73	12 x 42	12 x 51			101	18 x 60	12 x 63				2	2
	15° to 22.5°	67	12 x 42	12 x 57			105	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 45	12 x 69			88	18 x 60	18 x 66				2	2
	30° to 37.5°	66	12 x 42	18 x 63			78	12 x 45	18 x 69				2	2
	37.5° to 45°	71	12 x 42	18 x 72			74	12 x 42	18 x 75				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle	0° to 7.5°	81	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			98	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 42	12 x 54					95	18 x 60	12 x 66				2	2
	15° to 22.5°	63	12 x 45	12 x 57					96	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 45	12 x 69					82	18 x 60	18 x 66				2	2
	30° to 37.5°	62	12 x 45	18 x 66					73	12 x 48	18 x 69				2	2
	37.5° to 45°	66	12 x 42	18 x 75					69	12 x 45	18 x 75				2	2

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle	0° to 7.5°	76	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			92	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 45	12 x 57					90	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 45	12 x 60					85	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 48	12 x 72					77	18 x 60	18 x 69				2	2
	30° to 37.5°	58	12 x 45	18 x 66					68	18 x 60	18 x 72				2	2
	37.5° to 45°	62	12 x 45	18 x 78					65	12 x 45	18 x 78				2	2

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle	0° to 7.5°	72	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			87	12 x 54	12 x 54	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 48	12 x 57					85	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60					76	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 48	12 x 72					69	18 x 60	18 x 69				2	2
	30° to 37.5°	55	12 x 48	18 x 69					64	18 x 60	18 x 75				2	2
	37.5° to 45°	59	12 x 45	18 x 78					61	12 x 48	18 x 81				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	92	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	111	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	87	12 x 30	12 x 33			121	12 x 30	12 x 39				2	2
	15° to 22.5°	90	12 x 30	12 x 45			139	12 x 36	12 x 54				2	2
	22.5° to 30°	88	12 x 30	12 x 51			136	12 x 39	12 x 63				2	2
	30° to 37.5°	91	12 x 30	12 x 57			121	12 x 33	12 x 66				2	2
	37.5° to 45°	96	12 x 30	12 x 66			115	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	109	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	85	12 x 30	12 x 36			119	12 x 33	12 x 42				2	2
	15° to 22.5°	87	12 x 30	12 x 45			135	12 x 39	12 x 54				2	2
	22.5° to 30°	86	12 x 30	12 x 54			129	12 x 39	12 x 66				2	2
	30° to 37.5°	88	12 x 30	12 x 60			115	12 x 36	12 x 69				2	2
	37.5° to 45°	93	12 x 30	12 x 69			109	12 x 30	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	83	12 x 30	12 x 36			116	12 x 36	12 x 45				2	2
	15° to 22.5°	85	12 x 33	12 x 45			132	12 x 42	12 x 57				2	2
	22.5° to 30°	83	12 x 33	12 x 57			123	12 x 42	12 x 66				2	2
	30° to 37.5°	85	12 x 33	12 x 63			109	12 x 36	12 x 69				2	2
	37.5° to 45°	91	12 x 30	12 x 72			103	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	106	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	81	12 x 30	12 x 39			113	12 x 36	12 x 48				2	2
	15° to 22.5°	82	12 x 33	12 x 48			128	12 x 45	12 x 57				2	2
	22.5° to 30°	81	12 x 36	12 x 57			117	12 x 42	12 x 69				2	2
	30° to 37.5°	83	12 x 33	12 x 63			104	12 x 39	12 x 72				2	2
	37.5° to 45°	88	12 x 33	18 x 60			98	12 x 33	18 x 66				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels	Ground Snow Load up to 20 psf		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	86	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	104	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	79	12 x 33	12 x 39			111	12 x 39	12 x 48				2	2
	15° to 22.5°	80	12 x 36	12 x 48			125	18 x 60	12 x 60				2	2
	22.5° to 30°	78	12 x 36	12 x 60			112	12 x 45	12 x 69				2	2
	30° to 37.5°	80	12 x 36	12 x 66			99	12 x 39	12 x 72				2	2
	37.5° to 45°	86	12 x 33	18 x 63			94	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	100	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	76	12 x 33	12 x 45			106	12 x 42	12 x 54				2	2
	15° to 22.5°	76	12 x 39	12 x 51			118	18 x 60	12 x 63				2	2
	22.5° to 30°	74	12 x 39	12 x 63			102	12 x 48	12 x 72				2	2
	30° to 37.5°	76	12 x 36	12 x 69			91	12 x 42	18 x 63				2	2
	37.5° to 45°	81	12 x 36	18 x 66			86	12 x 36	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	96	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 36	12 x 48			101	18 x 60	12 x 57				2	2
	15° to 22.5°	72	12 x 42	12 x 54			112	18 x 60	12 x 66				2	2
	22.5° to 30°	69	12 x 42	12 x 66			94	18 x 60	18 x 63				2	2
	30° to 37.5°	71	12 x 39	12 x 72			84	12 x 45	18 x 66				2	2
	37.5° to 45°	76	12 x 39	18 x 69			79	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 39	12 x 51			97	18 x 60	12 x 60				2	2
	15° to 22.5°	67	12 x 42	12 x 57			105	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 45	12 x 69			88	18 x 60	18 x 66				2	2
	30° to 37.5°	66	12 x 42	18 x 63			78	12 x 45	18 x 69				2	2
	37.5° to 45°	71	12 x 42	18 x 72			74	12 x 42	18 x 75				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	74	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			89	12 x 45	12 x 45	Yes	Yes	Yes	2	2
7.5° to 15°	66	12 x 42	12 x 54					92	18 x 60	18 x 60				2	2
15° to 22.5°	63	12 x 45	12 x 57					96	18 x 60	18 x 60				2	2
22.5° to 30°	60	12 x 45	12 x 69					82	18 x 60	18 x 66				2	2
30° to 37.5°	62	12 x 45	18 x 66					73	12 x 48	18 x 69				2	2
37.5° to 45°	66	12 x 42	18 x 75					69	12 x 45	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	71	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			86	12 x 48	12 x 48	Yes	Yes	Yes	2	2
7.5° to 15°	63	12 x 45	12 x 57					88	18 x 60	18 x 60				2	2
15° to 22.5°	57	12 x 45	12 x 60					85	18 x 60	18 x 60				2	2
22.5° to 30°	57	12 x 48	12 x 72					77	18 x 60	18 x 69				2	2
30° to 37.5°	58	12 x 45	18 x 66					68	18 x 60	18 x 72				2	2
37.5° to 45°	62	12 x 45	18 x 78					65	12 x 45	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	69	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			83	12 x 51	12 x 51	Yes	Yes	Yes	2	2
7.5° to 15°	61	12 x 48	12 x 57					85	18 x 60	18 x 60				2	2
15° to 22.5°	50	12 x 45	12 x 60					76	18 x 60	18 x 60				2	2
22.5° to 30°	52	12 x 48	12 x 72					69	18 x 60	18 x 69				2	2
30° to 37.5°	55	12 x 48	18 x 69					64	18 x 60	18 x 75				2	2
37.5° to 45°	59	12 x 45	18 x 78					61	12 x 48	18 x 81				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	88	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	84	12 x 30	12 x 33			118	12 x 30	12 x 39				2	2
	15° to 22.5°	82	12 x 30	12 x 42			128	12 x 36	12 x 51				2	2
	22.5° to 30°	82	12 x 30	12 x 51			136	18 x 60	12 x 63				2	2
	30° to 37.5°	84	12 x 30	12 x 57			121	12 x 33	12 x 66				2	2
	37.5° to 45°	89	12 x 30	12 x 66			115	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	88	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	106	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	82	12 x 30	12 x 36			115	12 x 33	12 x 42				2	2
	15° to 22.5°	80	12 x 30	12 x 42			125	18 x 60	12 x 54				2	2
	22.5° to 30°	80	12 x 30	12 x 51			129	18 x 60	12 x 66				2	2
	30° to 37.5°	82	12 x 30	12 x 60			115	12 x 36	12 x 69				2	2
	37.5° to 45°	87	12 x 30	12 x 66			109	12 x 30	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	86	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	104	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	81	12 x 30	12 x 36			113	12 x 33	12 x 45				2	2
	15° to 22.5°	79	12 x 30	12 x 45			122	18 x 60	12 x 54				2	2
	22.5° to 30°	78	12 x 33	12 x 54			123	18 x 60	12 x 66				2	2
	30° to 37.5°	80	12 x 30	12 x 60			109	12 x 36	12 x 69				2	2
	37.5° to 45°	85	12 x 30	12 x 69			103	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	102	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	79	12 x 30	12 x 39			110	12 x 36	12 x 45				2	2
	15° to 22.5°	77	12 x 33	12 x 45			119	18 x 60	12 x 57				2	2
	22.5° to 30°	76	12 x 33	12 x 57			117	18 x 60	12 x 69				2	2
	30° to 37.5°	78	12 x 33	12 x 63			104	12 x 39	12 x 72				2	2
	37.5° to 45°	83	12 x 30	12 x 72			98	12 x 33	18 x 66				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	100	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	77	12 x 30	12 x 39			108	12 x 39	12 x 48				2	2
	15° to 22.5°	75	12 x 33	12 x 48			116	18 x 60	12 x 57				2	2
	22.5° to 30°	74	12 x 36	12 x 57			112	18 x 60	12 x 69				2	2
	30° to 37.5°	76	12 x 33	12 x 66			99	12 x 39	12 x 72				2	2
	37.5° to 45°	81	12 x 33	18 x 63			94	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	97	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	74	12 x 33	12 x 42			103	12 x 42	12 x 51				2	2
	15° to 22.5°	71	12 x 36	12 x 51			111	18 x 60	18 x 60				2	2
	22.5° to 30°	70	12 x 39	12 x 60			102	18 x 60	12 x 72				2	2
	30° to 37.5°	72	12 x 36	12 x 69			91	12 x 42	18 x 63				2	2
	37.5° to 45°	77	12 x 36	18 x 66			86	12 x 36	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	94	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	71	12 x 36	12 x 45			99	18 x 60	12 x 57				2	2
	15° to 22.5°	68	12 x 39	12 x 54			106	18 x 60	18 x 60				2	2
	22.5° to 30°	67	12 x 42	12 x 63			94	18 x 60	18 x 63				2	2
	30° to 37.5°	68	12 x 39	12 x 72			84	12 x 45	18 x 66				2	2
	37.5° to 45°	73	12 x 39	18 x 69			79	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 39	12 x 51			95	18 x 60	18 x 60				2	2
	15° to 22.5°	65	12 x 42	12 x 54			101	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 42	12 x 66			88	18 x 60	18 x 66				2	2
	30° to 37.5°	65	12 x 42	18 x 63			78	12 x 45	18 x 69				2	2
	37.5° to 45°	70	12 x 39	18 x 72			74	12 x 42	18 x 75				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 42	12 x 54			91	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 45	12 x 57			93	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 45	12 x 69			82	18 x 60	18 x 66				2	2
	30° to 37.5°	62	12 x 45	18 x 66			73	12 x 48	18 x 69				2	2
	37.5° to 45°	66	12 x 42	18 x 75			69	12 x 45	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 45	12 x 54			87	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 45	12 x 60			85	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 48	12 x 72			77	18 x 60	18 x 69				2	2
	30° to 37.5°	58	12 x 45	18 x 66			68	18 x 60	18 x 72				2	2
	37.5° to 45°	62	12 x 45	18 x 78			65	12 x 45	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 45	12 x 57			84	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60			76	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 48	12 x 72			69	18 x 60	18 x 69				2	2
	30° to 37.5°	55	12 x 48	18 x 69			64	18 x 60	18 x 75				2	2
	37.5° to 45°	59	12 x 45	18 x 78			61	12 x 48	18 x 81				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	98	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	78	12 x 30	12 x 33			109	12 x 30	12 x 39				2	2
	15° to 22.5°	77	12 x 30	12 x 42			119	18 x 60	12 x 51				2	2
	22.5° to 30°	76	12 x 30	12 x 48			129	18 x 60	18 x 60				2	2
	30° to 37.5°	79	12 x 30	12 x 54			121	18 x 60	12 x 66				2	2
	37.5° to 45°	84	12 x 30	12 x 63			115	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	97	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	76	12 x 30	12 x 33			107	12 x 30	12 x 39				2	2
	15° to 22.5°	75	12 x 30	12 x 42			117	18 x 60	18 x 60				2	2
	22.5° to 30°	75	12 x 30	12 x 51			126	18 x 60	18 x 60				2	2
	30° to 37.5°	77	12 x 30	12 x 57			115	18 x 60	12 x 69				2	2
	37.5° to 45°	82	12 x 30	12 x 66			109	12 x 30	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	96	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	75	12 x 30	12 x 36			105	12 x 33	12 x 42				2	2
	15° to 22.5°	74	12 x 30	12 x 42			114	18 x 60	18 x 60				2	2
	22.5° to 30°	73	12 x 30	12 x 54			123	18 x 60	18 x 60				2	2
	30° to 37.5°	75	12 x 30	12 x 60			109	18 x 60	12 x 69				2	2
	37.5° to 45°	80	12 x 30	12 x 69			103	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	94	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	74	12 x 30	12 x 36			103	12 x 36	12 x 45				2	2
	15° to 22.5°	72	12 x 30	12 x 45			112	18 x 60	18 x 60				2	2
	22.5° to 30°	71	12 x 33	12 x 54			117	18 x 60	18 x 60				2	2
	30° to 37.5°	74	12 x 30	12 x 60			104	18 x 60	12 x 72				2	2
	37.5° to 45°	78	12 x 30	12 x 69			98	12 x 33	18 x 66				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 30	12 x 39			101	18 x 60	12 x 45				2	2
	15° to 22.5°	71	12 x 33	12 x 45			110	18 x 60	18 x 60				2	2
	22.5° to 30°	70	12 x 33	12 x 57			112	18 x 60	18 x 60				2	2
	30° to 37.5°	72	12 x 33	12 x 63			99	18 x 60	12 x 72				2	2
	37.5° to 45°	77	12 x 30	12 x 72			94	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 33	12 x 42			97	18 x 60	12 x 51				2	2
	15° to 22.5°	68	12 x 36	12 x 48			105	18 x 60	18 x 60				2	2
	22.5° to 30°	67	12 x 36	12 x 60			102	18 x 60	18 x 60				2	2
	30° to 37.5°	69	12 x 36	12 x 66			91	18 x 60	18 x 63				2	2
	37.5° to 45°	73	12 x 33	18 x 63			86	12 x 36	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 36	12 x 45			93	18 x 60	18 x 60				2	2
	15° to 22.5°	65	12 x 39	12 x 51			101	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 39	12 x 63			94	18 x 60	18 x 63				2	2
	30° to 37.5°	66	12 x 39	12 x 69			84	18 x 60	18 x 66				2	2
	37.5° to 45°	70	12 x 36	18 x 66			79	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	85	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 39	12 x 48			90	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 42	12 x 54			93	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 42	12 x 66			88	18 x 60	18 x 66				2	2
	30° to 37.5°	63	12 x 42	18 x 60			78	18 x 60	18 x 69				2	2
	37.5° to 45°	67	12 x 39	18 x 69			74	12 x 42	18 x 75				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 42	12 x 51			87	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 45	12 x 57			85	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 45	12 x 69			81	18 x 60	18 x 66				2	2
	30° to 37.5°	60	12 x 42	18 x 63			73	18 x 60	18 x 69				2	2
	37.5° to 45°	64	12 x 42	18 x 75			69	12 x 45	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 42	12 x 54			83	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 45	12 x 60			78	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 48	12 x 72			75	18 x 60	18 x 69				2	2
	30° to 37.5°	57	12 x 45	18 x 66			68	18 x 60	18 x 72				2	2
	37.5° to 45°	61	12 x 45	18 x 78			65	12 x 45	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 45	12 x 57			79	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60			72	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 48	12 x 72			69	18 x 60	18 x 69				2	2
	30° to 37.5°	55	12 x 48	18 x 69			64	18 x 60	18 x 75				2	2
	37.5° to 45°	59	12 x 45	18 x 78			61	12 x 48	18 x 81				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	73	12 x 30	12 x 36			102	18 x 60	12 x 39				2	2
	15° to 22.5°	72	12 x 30	12 x 39			112	18 x 60	18 x 60				2	2
	22.5° to 30°	72	12 x 30	12 x 48			121	18 x 60	18 x 60				2	2
	30° to 37.5°	75	12 x 30	12 x 54			121	18 x 60	18 x 60				2	2
	37.5° to 45°	79	12 x 30	12 x 60			115	12 x 30	12 x 72				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 30	12 x 36			100	18 x 60	12 x 42				2	2
	15° to 22.5°	71	12 x 30	12 x 42			110	18 x 60	18 x 60				2	2
	22.5° to 30°	71	12 x 30	12 x 51			119	18 x 60	18 x 60				2	2
	30° to 37.5°	73	12 x 30	12 x 57			115	18 x 60	18 x 60				2	2
	37.5° to 45°	78	12 x 30	12 x 63			109	12 x 30	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	89	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 30	12 x 36			98	18 x 60	12 x 42				2	2
	15° to 22.5°	69	12 x 30	12 x 42			108	18 x 60	18 x 60				2	2
	22.5° to 30°	69	12 x 30	12 x 51			115	18 x 60	18 x 60				2	2
	30° to 37.5°	72	12 x 30	12 x 57			109	18 x 60	18 x 60				2	2
	37.5° to 45°	76	12 x 30	12 x 66			103	12 x 33	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 30	12 x 36			97	18 x 60	18 x 60				2	2
	15° to 22.5°	68	12 x 30	12 x 45			106	18 x 60	18 x 60				2	2
	22.5° to 30°	68	12 x 30	12 x 54			110	18 x 60	18 x 60				2	2
	30° to 37.5°	70	12 x 30	12 x 60			104	18 x 60	18 x 60				2	2
	37.5° to 45°	74	12 x 30	12 x 69			98	12 x 33	18 x 66				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 30	12 x 36			95	18 x 60	18 x 60				2	2
	15° to 22.5°	67	12 x 33	12 x 45			104	18 x 60	18 x 60				2	2
	22.5° to 30°	66	12 x 33	12 x 54			106	18 x 60	18 x 60				2	2
	30° to 37.5°	69	12 x 33	12 x 63			99	18 x 60	18 x 60				2	2
	37.5° to 45°	73	12 x 30	12 x 72			94	12 x 36	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 30	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	85	12 x 33	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	66	12 x 33	12 x 39			92	18 x 60	18 x 60				2	2
	15° to 22.5°	64	12 x 36	12 x 48			99	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 36	12 x 57			97	18 x 60	18 x 60				2	2
	30° to 37.5°	66	12 x 33	12 x 66			91	18 x 60	18 x 63				2	2
	37.5° to 45°	70	12 x 33	18 x 63			86	12 x 36	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 36	12 x 45			89	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 39	12 x 51			92	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 39	12 x 63			90	18 x 60	18 x 60				2	2
	30° to 37.5°	63	12 x 36	12 x 69			84	18 x 60	18 x 66				2	2
	37.5° to 45°	67	12 x 36	18 x 66			79	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 36	12 x 48			86	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 39	12 x 54			85	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 42	12 x 66			82	18 x 60	18 x 63				2	2
	30° to 37.5°	60	12 x 39	12 x 72			78	18 x 60	18 x 69				2	2
	37.5° to 45°	64	12 x 39	18 x 69			74	12 x 42	18 x 75				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	65	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		78	12 x 42	12 x 42	Yes	Yes	Yes	2	2
7.5° to 15°	59	12 x 39	12 x 51				83	18 x 60	18 x 60				2	2
15° to 22.5°	57	12 x 42	12 x 57				79	18 x 60	18 x 60				2	2
22.5° to 30°	56	12 x 45	12 x 69				76	18 x 60	18 x 63				2	2
30° to 37.5°	58	12 x 42	18 x 63				73	18 x 60	18 x 69				2	2
37.5° to 45°	62	12 x 42	18 x 72				69	12 x 45	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	63	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	57	12 x 42	12 x 54				79	18 x 60	18 x 60				2	2
15° to 22.5°	55	12 x 45	12 x 57				73	18 x 60	18 x 60				2	2
22.5° to 30°	54	12 x 45	12 x 69				70	18 x 60	18 x 66				2	2
30° to 37.5°	56	12 x 45	18 x 66				68	18 x 60	18 x 72				2	2
37.5° to 45°	59	12 x 42	18 x 75				65	12 x 45	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	61	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	55	12 x 45	12 x 57				73	18 x 60	18 x 60				2	2
15° to 22.5°	50	12 x 45	12 x 60				68	18 x 60	18 x 60				2	2
22.5° to 30°	52	18 x 60	12 x 72				65	18 x 60	18 x 66				2	2
30° to 37.5°	53	12 x 48	18 x 69				64	18 x 60	18 x 75				2	2
37.5° to 45°	57	12 x 45	18 x 78				61	12 x 48	18 x 81				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 30	12 x 36			96	18 x 60	18 x 60				2	2
	15° to 22.5°	68	12 x 30	12 x 39			106	18 x 60	18 x 60				2	2
	22.5° to 30°	68	12 x 30	12 x 48			112	18 x 60	18 x 60				2	2
	30° to 37.5°	71	12 x 30	12 x 51			120	18 x 60	18 x 60				2	2
	37.5° to 45°	75	12 x 30	12 x 60			115	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 30	12 x 36			95	18 x 60	18 x 60				2	2
	15° to 22.5°	67	12 x 30	12 x 42			104	18 x 60	18 x 60				2	2
	22.5° to 30°	67	12 x 30	12 x 48			108	18 x 60	18 x 60				2	2
	30° to 37.5°	70	12 x 30	12 x 54			115	18 x 60	18 x 60				2	2
	37.5° to 45°	74	12 x 30	12 x 63			109	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 30	12 x 36			93	18 x 60	18 x 60				2	2
	15° to 22.5°	66	12 x 30	12 x 42			102	18 x 60	18 x 60				2	2
	22.5° to 30°	66	12 x 30	12 x 51			104	18 x 60	18 x 60				2	2
	30° to 37.5°	68	12 x 30	12 x 57			109	18 x 60	18 x 60				2	2
	37.5° to 45°	72	12 x 30	12 x 66			103	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	66	12 x 30	12 x 36			92	18 x 60	18 x 60				2	2
	15° to 22.5°	65	12 x 30	12 x 42			101	18 x 60	18 x 60				2	2
	22.5° to 30°	65	12 x 30	12 x 51			101	18 x 60	18 x 60				2	2
	30° to 37.5°	67	12 x 30	12 x 57			104	18 x 60	18 x 60				2	2
	37.5° to 45°	71	12 x 30	12 x 66			98	18 x 60	18 x 66				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	68	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			82	12 x 30	12 x 39	Yes	Yes	Yes	2	2
7.5° to 15°	65	12 x 30	12 x 36					90	18 x 60	18 x 60				2	2
15° to 22.5°	64	12 x 30	12 x 45					97	18 x 60	18 x 60				2	2
22.5° to 30°	63	12 x 33	12 x 54					97	18 x 60	18 x 60				2	2
30° to 37.5°	66	12 x 30	12 x 60					99	18 x 60	18 x 60				2	2
37.5° to 45°	70	12 x 30	12 x 69					94	18 x 60	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	66	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			80	12 x 33	12 x 39	Yes	Yes	Yes	2	2
7.5° to 15°	63	12 x 30	12 x 39					88	18 x 60	18 x 60				2	2
15° to 22.5°	62	12 x 33	12 x 48					91	18 x 60	18 x 60				2	2
22.5° to 30°	61	12 x 36	12 x 57					90	18 x 60	18 x 60				2	2
30° to 37.5°	63	12 x 33	12 x 63					91	18 x 60	18 x 63				2	2
37.5° to 45°	67	12 x 33	18 x 60					86	12 x 36	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	65	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			78	12 x 36	12 x 39	Yes	Yes	Yes	2	2
7.5° to 15°	61	12 x 33	12 x 42					85	18 x 60	18 x 60				2	2
15° to 22.5°	59	12 x 36	12 x 51					85	18 x 60	18 x 60				2	2
22.5° to 30°	59	12 x 39	12 x 60					83	18 x 60	18 x 60				2	2
30° to 37.5°	61	12 x 36	12 x 69					84	18 x 60	18 x 66				2	2
37.5° to 45°	65	12 x 36	18 x 66					79	12 x 39	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	63	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	59	12 x 36	12 x 45					82	18 x 60	18 x 60				2	2
15° to 22.5°	57	12 x 39	12 x 51					79	18 x 60	18 x 60				2	2
22.5° to 30°	57	12 x 42	12 x 63					77	18 x 60	18 x 60				2	2
30° to 37.5°	58	12 x 39	12 x 72					78	18 x 60	18 x 69				2	2
37.5° to 45°	62	12 x 39	18 x 69					74	12 x 42	18 x 75				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 39	12 x 48			78	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 42	12 x 54			73	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 42	12 x 66			71	18 x 60	18 x 63				2	2
	30° to 37.5°	56	12 x 42	18 x 63			73	18 x 60	18 x 69				2	2
	37.5° to 45°	60	12 x 39	18 x 72			69	18 x 60	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 42	12 x 51			73	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 45	12 x 57			68	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 45	12 x 69			66	18 x 60	18 x 63				2	2
	30° to 37.5°	54	12 x 45	18 x 66			68	18 x 60	18 x 72				2	2
	37.5° to 45°	58	12 x 42	18 x 75			65	18 x 60	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 45	12 x 54			68	18 x 60	18 x 60				2	2
	15° to 22.5°	50	12 x 45	12 x 60			64	18 x 60	18 x 60				2	2
	22.5° to 30°	50	18 x 60	12 x 72			61	18 x 60	18 x 66				2	2
	30° to 37.5°	52	18 x 60	18 x 66			64	18 x 60	18 x 75				2	2
	37.5° to 45°	56	12 x 45	18 x 78			61	18 x 60	18 x 81				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 30	12 x 36			91	18 x 60	18 x 60				2	2
	15° to 22.5°	65	12 x 30	12 x 39			101	18 x 60	18 x 60				2	2
	22.5° to 30°	65	12 x 30	12 x 45			102	18 x 60	18 x 60				2	2
	30° to 37.5°	68	12 x 30	12 x 51			110	18 x 60	18 x 60				2	2
	37.5° to 45°	72	12 x 30	12 x 57			115	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 30	12 x 36			90	18 x 60	18 x 60				2	2
	15° to 22.5°	64	12 x 30	12 x 42			98	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 30	12 x 48			99	18 x 60	18 x 60				2	2
	30° to 37.5°	66	12 x 30	12 x 54			106	18 x 60	18 x 60				2	2
	37.5° to 45°	71	12 x 30	12 x 60			109	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 30	12 x 36			89	18 x 60	18 x 60				2	2
	15° to 22.5°	63	12 x 30	12 x 42			95	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 30	12 x 48			96	18 x 60	18 x 60				2	2
	30° to 37.5°	65	12 x 30	12 x 54			102	18 x 60	18 x 60				2	2
	37.5° to 45°	69	12 x 30	12 x 63			103	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 30	12 x 36			87	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 30	12 x 42			92	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 30	12 x 51			92	18 x 60	18 x 60				2	2
	30° to 37.5°	64	12 x 30	12 x 57			99	18 x 60	18 x 60				2	2
	37.5° to 45°	68	12 x 30	12 x 66			98	18 x 60	18 x 66				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	64	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	12 x 30	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 30	12 x 36			86	18 x 60	18 x 60				2	2
	15° to 22.5°	61	12 x 30	12 x 42			89	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 30	12 x 54			89	18 x 60	18 x 60				2	2
	30° to 37.5°	63	12 x 30	12 x 60			95	18 x 60	18 x 60				2	2
	37.5° to 45°	67	12 x 30	12 x 69			94	18 x 60	18 x 66				2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	63	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 30	12 x 39			84	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 33	12 x 45			84	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 33	12 x 57			83	18 x 60	18 x 60				2	2
	30° to 37.5°	61	12 x 33	12 x 63			89	18 x 60	18 x 63				2	2
	37.5° to 45°	65	12 x 33	12 x 72			86	18 x 60	18 x 69				2	2

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	62	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 33	12 x 42			81	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 36	12 x 48			78	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 36	12 x 60			77	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 36	12 x 66			82	18 x 60	18 x 66				2	2
	37.5° to 45°	62	12 x 33	18 x 63			79	18 x 60	18 x 72				2	2

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	60	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 36	12 x 45			77	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 39	12 x 51			73	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 39	12 x 63			72	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 39	12 x 69			77	18 x 60	18 x 66				2	2
	37.5° to 45°	60	12 x 36	18 x 66			74	18 x 60	18 x 75				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	71	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 39	12 x 48			72	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 42	12 x 54			69	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 42	12 x 66			67	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 42	18 x 60			71	18 x 60	18 x 69				2	2
	37.5° to 45°	58	12 x 39	18 x 69			69	18 x 60	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 39	12 x 51			68	18 x 60	18 x 60				2	2
	15° to 22.5°	52	18 x 60	12 x 57			64	18 x 60	18 x 60				2	2
	22.5° to 30°	51	18 x 60	12 x 69			62	18 x 60	18 x 63				2	2
	30° to 37.5°	53	12 x 42	18 x 63			66	18 x 60	18 x 72				2	2
	37.5° to 45°	56	12 x 42	18 x 72			65	18 x 60	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	18 x 60	12 x 54			64	18 x 60	18 x 60				2	2
	15° to 22.5°	50	18 x 60	12 x 60			60	18 x 60	18 x 60				2	2
	22.5° to 30°	49	18 x 60	12 x 72			58	18 x 60	18 x 63				2	2
	30° to 37.5°	51	18 x 60	18 x 66			62	18 x 60	18 x 72				2	2
	37.5° to 45°	54	12 x 45	18 x 75			61	18 x 60	18 x 81				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 30	12 x 36			85	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 30	12 x 39			92	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 30	12 x 45			94	18 x 60	18 x 60				2	2
	30° to 37.5°	65	12 x 30	12 x 51			101	18 x 60	18 x 60				2	2
	37.5° to 45°	69	12 x 30	12 x 57			113	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 30	12 x 36			85	18 x 60	18 x 60				2	2
	15° to 22.5°	61	12 x 30	12 x 39			90	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 30	12 x 48			91	18 x 60	18 x 60				2	2
	30° to 37.5°	64	12 x 30	12 x 51			98	18 x 60	18 x 60				2	2
	37.5° to 45°	68	12 x 30	12 x 60			109	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 30	12 x 36			85	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 30	12 x 42			87	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 30	12 x 48			88	18 x 60	18 x 60				2	2
	30° to 37.5°	63	12 x 30	12 x 54			95	18 x 60	18 x 60				2	2
	37.5° to 45°	67	12 x 30	12 x 63			103	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 30	12 x 36			84	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 30	12 x 42			85	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 30	12 x 51			85	18 x 60	18 x 60				2	2
	30° to 37.5°	62	12 x 30	12 x 57			92	18 x 60	18 x 60				2	2
	37.5° to 45°	66	12 x 30	12 x 66			98	18 x 60	18 x 66				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 30	12 x 36			83	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 30	12 x 42			82	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 30	12 x 51			83	18 x 60	18 x 60				2	2
	30° to 37.5°	61	12 x 30	12 x 57			89	18 x 60	18 x 60				2	2
	37.5° to 45°	65	12 x 30	12 x 66			94	18 x 60	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 39			80	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 33	12 x 45			78	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 33	12 x 54			77	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 33	12 x 63			83	18 x 60	18 x 60				2	2
	37.5° to 45°	62	12 x 30	12 x 72			86	18 x 60	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	71	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 33	12 x 42			75	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 36	12 x 48			73	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 36	12 x 60			72	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 36	12 x 66			77	18 x 60	18 x 63				2	2
	37.5° to 45°	60	12 x 33	18 x 63			79	18 x 60	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 36	12 x 45			71	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 39	12 x 51			69	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 39	12 x 63			68	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 39	12 x 69			72	18 x 60	18 x 66				2	2
	37.5° to 45°	58	12 x 36	18 x 66			74	18 x 60	18 x 75				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	56	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 36	12 x 48				68	18 x 60	18 x 60				2	2
	15° to 22.5°	52	18 x 60	12 x 54				64	18 x 60	18 x 60				2	2
	22.5° to 30°	51	18 x 60	12 x 66				63	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 39	12 x 72				67	18 x 60	18 x 66				2	2
	37.5° to 45°	56	12 x 39	18 x 69				69	18 x 60	18 x 75				2	2

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	55	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	18 x 60	12 x 51				64	18 x 60	18 x 60				2	2
	15° to 22.5°	50	18 x 60	12 x 57				61	18 x 60	18 x 60				2	2
	22.5° to 30°	50	18 x 60	12 x 69				59	18 x 60	18 x 60				2	2
	30° to 37.5°	51	18 x 60	18 x 63				63	18 x 60	18 x 69				2	2
	37.5° to 45°	55	12 x 42	18 x 72				65	18 x 60	18 x 78				2	2

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	54	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	12 x 54				60	18 x 60	18 x 60				2	2
	15° to 22.5°	49	18 x 60	12 x 57				57	18 x 60	18 x 60				2	2
	22.5° to 30°	48	18 x 60	12 x 69				55	18 x 60	18 x 63				2	2
	30° to 37.5°	49	18 x 60	18 x 66				59	18 x 60	18 x 72				2	2
	37.5° to 45°	53	12 x 45	18 x 75				61	18 x 60	18 x 81				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 39			80	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 30	12 x 39			83	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 30	12 x 45			87	18 x 60	18 x 60				2	2
	30° to 37.5°	62	12 x 30	12 x 48			93	18 x 60	18 x 60				2	2
	37.5° to 45°	66	12 x 30	12 x 57			105	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 39			80	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 30	12 x 39			83	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 30	12 x 45			84	18 x 60	18 x 60				2	2
	30° to 37.5°	61	12 x 30	12 x 51			90	18 x 60	18 x 60				2	2
	37.5° to 45°	65	12 x 30	12 x 60			102	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 39			80	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 30	12 x 42			81	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 30	12 x 48			82	18 x 60	18 x 60				2	2
	30° to 37.5°	60	12 x 30	12 x 54			88	18 x 60	18 x 60				2	2
	37.5° to 45°	64	12 x 30	12 x 60			99	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 39			79	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 30	12 x 42			78	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 30	12 x 51			79	18 x 60	18 x 60				2	2
	30° to 37.5°	60	12 x 30	12 x 57			85	18 x 60	18 x 60				2	2
	37.5° to 45°	63	12 x 30	12 x 63			96	18 x 60	18 x 63				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 36				77	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 30	12 x 42				76	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 30	12 x 51				77	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 30	12 x 57				83	18 x 60	18 x 60				2	2
	37.5° to 45°	62	12 x 30	12 x 66				93	18 x 60	18 x 66				2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39				74	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 33	12 x 45				72	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 33	12 x 54				72	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 33	12 x 60				78	18 x 60	18 x 60				2	2
	37.5° to 45°	60	12 x 30	12 x 69				86	18 x 60	18 x 69				2	2

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 39				70	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 36	12 x 48				68	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 36	12 x 57				68	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 33	12 x 66				73	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 33	18 x 63				79	18 x 60	18 x 72				2	2

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	56	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 33	12 x 42				67	18 x 60	18 x 60				2	2
	15° to 22.5°	52	18 x 60	12 x 51				64	18 x 60	18 x 60				2	2
	22.5° to 30°	52	18 x 60	12 x 60				64	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 36	12 x 69				68	18 x 60	18 x 63				2	2
	37.5° to 45°	57	12 x 36	18 x 66				74	18 x 60	18 x 75				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	54	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		66	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	51	18 x 60	12 x 45				63	18 x 60	18 x 60				2	2
15° to 22.5°	50	18 x 60	12 x 51				61	18 x 60	18 x 60				2	2
22.5° to 30°	50	18 x 60	12 x 63				60	18 x 60	18 x 60				2	2
30° to 37.5°	52	18 x 60	12 x 72				64	18 x 60	18 x 66				2	2
37.5° to 45°	55	12 x 39	18 x 69				69	18 x 60	18 x 75				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	53	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		64	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	50	18 x 60	12 x 48				60	18 x 60	18 x 60				2	2
15° to 22.5°	49	18 x 60	12 x 54				57	18 x 60	18 x 60				2	2
22.5° to 30°	48	18 x 60	12 x 66				56	18 x 60	18 x 60				2	2
30° to 37.5°	50	18 x 60	18 x 63				60	18 x 60	18 x 69				2	2
37.5° to 45°	53	12 x 42	18 x 72				65	18 x 60	18 x 78				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		63	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	49	18 x 60	18 x 60				57	18 x 60	18 x 60				2	2
15° to 22.5°	47	18 x 60	18 x 60				54	18 x 60	18 x 60				2	2
22.5° to 30°	47	18 x 60	18 x 60				53	18 x 60	18 x 60				2	2
30° to 37.5°	48	18 x 60	18 x 66				56	18 x 60	18 x 69				2	2
37.5° to 45°	52	18 x 60	18 x 75				61	18 x 60	18 x 81				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39			72	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 30	12 x 39			75	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 30	12 x 42			80	18 x 60	18 x 60				2	2
	30° to 37.5°	60	12 x 30	12 x 48			87	18 x 60	18 x 60				2	2
	37.5° to 45°	64	12 x 30	12 x 54			97	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39			72	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 30	12 x 39			75	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 30	12 x 45			78	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 30	12 x 51			84	18 x 60	18 x 60				2	2
	37.5° to 45°	63	12 x 30	12 x 57			95	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39			72	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 30	12 x 42			75	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 48			76	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 54			82	18 x 60	18 x 60				2	2
	37.5° to 45°	62	12 x 30	12 x 60			92	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39			72	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 30	12 x 42			73	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 48			74	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 54			80	18 x 60	18 x 60				2	2
	37.5° to 45°	61	12 x 30	12 x 63			90	18 x 60	18 x 63				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39			72	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 42			71	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 30	12 x 51			72	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 30	12 x 57			77	18 x 60	18 x 60				2	2
	37.5° to 45°	60	12 x 30	12 x 66			87	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 39			69	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 30	12 x 45			68	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 33	12 x 54			68	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 60			73	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 30	12 x 69			82	18 x 60	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	18 x 60	12 x 39			66	18 x 60	18 x 60				2	2
	15° to 22.5°	52	18 x 60	12 x 48			64	18 x 60	18 x 60				2	2
	22.5° to 30°	52	18 x 60	12 x 57			64	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 33	12 x 63			69	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 33	18 x 60			78	18 x 60	18 x 72				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	18 x 60	12 x 42			63	18 x 60	18 x 60				2	2
	15° to 22.5°	50	18 x 60	12 x 48			61	18 x 60	18 x 60				2	2
	22.5° to 30°	50	18 x 60	12 x 60			60	18 x 60	18 x 60				2	2
	30° to 37.5°	52	18 x 60	12 x 69			65	18 x 60	18 x 63				2	2
	37.5° to 45°	55	12 x 36	18 x 66			73	18 x 60	18 x 72				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	53	12 x 33	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		63	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	18 x 60				60	18 x 60	18 x 60				2	2
	15° to 22.5°	49	18 x 60	12 x 51				57	18 x 60	18 x 60				2	2
	22.5° to 30°	49	18 x 60	12 x 63				57	18 x 60	18 x 60				2	2
	30° to 37.5°	50	18 x 60	12 x 72				61	18 x 60	18 x 63				2	2
	37.5° to 45°	54	12 x 39	18 x 69				69	18 x 60	18 x 75				2	2

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	18 x 60	18 x 60				57	18 x 60	18 x 60				2	2
	15° to 22.5°	48	18 x 60	18 x 60				54	18 x 60	18 x 60				2	2
	22.5° to 30°	47	18 x 60	18 x 60				53	18 x 60	18 x 60				2	2
	30° to 37.5°	49	18 x 60	18 x 63				57	18 x 60	18 x 66				2	2
	37.5° to 45°	52	18 x 60	18 x 72				65	18 x 60	18 x 78				2	2

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	51	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		61	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	18 x 60	18 x 60				54	18 x 60	18 x 60				2	2
	15° to 22.5°	46	18 x 60	18 x 60				51	18 x 60	18 x 60				2	2
	22.5° to 30°	46	18 x 60	18 x 60				50	18 x 60	18 x 60				2	2
	30° to 37.5°	47	18 x 60	18 x 63				54	18 x 60	18 x 69				2	2
	37.5° to 45°	50	18 x 60	18 x 75				61	18 x 60	18 x 81				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	52	12 x 30	12 x 39				66	18 x 60	18 x 60				2	2
15° to 22.5°	54	12 x 30	12 x 39				69	18 x 60	18 x 60				2	2
22.5° to 30°	55	12 x 30	12 x 42				73	18 x 60	18 x 60				2	2
30° to 37.5°	58	12 x 30	12 x 48				80	18 x 60	18 x 60				2	2
37.5° to 45°	61	12 x 30	12 x 54				89	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	52	12 x 30	12 x 39				66	18 x 60	18 x 60				2	2
15° to 22.5°	54	12 x 30	12 x 39				69	18 x 60	18 x 60				2	2
22.5° to 30°	55	12 x 30	12 x 45				73	18 x 60	18 x 60				2	2
30° to 37.5°	57	12 x 30	12 x 51				79	18 x 60	18 x 60				2	2
37.5° to 45°	61	12 x 30	12 x 57				89	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	52	12 x 30	12 x 39				66	18 x 60	18 x 60				2	2
15° to 22.5°	54	12 x 30	12 x 42				69	18 x 60	18 x 60				2	2
22.5° to 30°	55	12 x 30	12 x 45				71	18 x 60	18 x 60				2	2
30° to 37.5°	57	12 x 30	12 x 51				77	18 x 60	18 x 60				2	2
37.5° to 45°	60	12 x 30	12 x 60				87	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	52	12 x 30	12 x 39				66	18 x 60	18 x 60				2	2
15° to 22.5°	53	12 x 30	12 x 42				68	18 x 60	18 x 60				2	2
22.5° to 30°	54	12 x 30	12 x 48				70	18 x 60	18 x 60				2	2
30° to 37.5°	56	12 x 30	12 x 54				75	18 x 60	18 x 60				2	2
37.5° to 45°	59	12 x 30	12 x 63				84	18 x 60	18 x 60				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 30	12 x 39			66	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 30	12 x 42			67	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 51			68	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 57			73	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 63			82	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	18 x 60	12 x 39			64	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	12 x 45			64	18 x 60	18 x 60				2	2
	22.5° to 30°	52	18 x 60	12 x 54			64	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 60			69	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 69			78	18 x 60	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	18 x 60	12 x 39			62	18 x 60	18 x 60				2	2
	15° to 22.5°	50	18 x 60	12 x 45			60	18 x 60	18 x 60				2	2
	22.5° to 30°	50	18 x 60	12 x 57			61	18 x 60	18 x 60				2	2
	30° to 37.5°	52	18 x 60	12 x 63			65	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 33	12 x 72			74	18 x 60	18 x 69				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	18 x 60			59	18 x 60	18 x 60				2	2
	15° to 22.5°	49	18 x 60	12 x 48			57	18 x 60	18 x 60				2	2
	22.5° to 30°	49	18 x 60	12 x 60			57	18 x 60	18 x 60				2	2
	30° to 37.5°	51	18 x 60	12 x 66			61	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 36	18 x 63			70	18 x 60	18 x 72				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	51	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		61	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	48	18 x 60	18 x 60				56	18 x 60	18 x 60				2	2
	15° to 22.5°	48	18 x 60	18 x 60				54	18 x 60	18 x 60				2	2
	22.5° to 30°	47	18 x 60	18 x 60				54	18 x 60	18 x 60				2	2
	30° to 37.5°	49	18 x 60	12 x 69				58	18 x 60	18 x 63				2	2
	37.5° to 45°	52	12 x 36	18 x 66				66	18 x 60	18 x 75				2	2

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		60	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	18 x 60	18 x 60				54	18 x 60	18 x 60				2	2
	15° to 22.5°	46	18 x 60	18 x 60				52	18 x 60	18 x 60				2	2
	22.5° to 30°	46	18 x 60	18 x 60				51	18 x 60	18 x 60				2	2
	30° to 37.5°	48	18 x 60	18 x 60				55	18 x 60	18 x 66				2	2
	37.5° to 45°	51	18 x 60	18 x 69				62	18 x 60	18 x 78				2	2

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		58	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	18 x 60	18 x 60				51	18 x 60	18 x 60				2	2
	15° to 22.5°	45	18 x 60	18 x 60				49	18 x 60	18 x 60				2	2
	22.5° to 30°	45	18 x 60	18 x 60				48	18 x 60	18 x 60				2	2
	30° to 37.5°	46	18 x 60	18 x 63				51	18 x 60	18 x 66				2	2
	37.5° to 45°	49	18 x 60	18 x 72				58	18 x 60	18 x 78				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	18 x 60			63	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 42			67	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 48			73	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 54			82	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	18 x 60			63	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 45			67	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 48			73	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 57			82	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	18 x 60			63	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 45			67	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 51			72	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 60			81	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	18 x 60			63	18 x 60	18 x 60				2	2
	22.5° to 30°	52	18 x 60	12 x 48			66	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 54			71	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 60			79	18 x 60	18 x 60				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

110 mph		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2
7.5° to 15°		50	18 x 60	18 x 60	61			18 x 60	18 x 60	2				2
15° to 22.5°		51	18 x 60	18 x 60	63			18 x 60	18 x 60	2				2
22.5° to 30°		52	18 x 60	12 x 48	64			18 x 60	18 x 60	2				2
30° to 37.5°		54	12 x 30	12 x 54	69			18 x 60	18 x 60	2				2
37.5° to 45°		57	12 x 30	12 x 63	78			18 x 60	18 x 60	2				2

120 mph		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2
7.5° to 15°		50	18 x 60	18 x 60	61			18 x 60	18 x 60	2				2
15° to 22.5°		50	18 x 60	12 x 45	60			18 x 60	18 x 60	2				2
22.5° to 30°		50	18 x 60	12 x 54	61			18 x 60	18 x 60	2				2
30° to 37.5°		52	18 x 60	12 x 60	65			18 x 60	18 x 60	2				2
37.5° to 45°		55	12 x 30	12 x 69	74			18 x 60	18 x 63	2				2

130 mph		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2
7.5° to 15°		49	18 x 60	18 x 60	58			18 x 60	18 x 60	2				2
15° to 22.5°		49	18 x 60	18 x 60	57			18 x 60	18 x 60	2				2
22.5° to 30°		49	18 x 60	12 x 57	58			18 x 60	18 x 60	2				2
30° to 37.5°		51	18 x 60	12 x 63	62			18 x 60	18 x 60	2				2
37.5° to 45°		54	12 x 33	12 x 72	70			18 x 60	18 x 66	2				2

140 mph		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	Wind Speed	Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5° 7.5° to 15° 15° to 22.5° 22.5° to 30° 30° to 37.5° 37.5° to 45°	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2
7.5° to 15°		48	18 x 60	18 x 60	56			18 x 60	18 x 60	2				2
15° to 22.5°		48	18 x 60	18 x 60	54			18 x 60	18 x 60	2				2
22.5° to 30°		48	18 x 60	18 x 60	55			18 x 60	18 x 60	2				2
30° to 37.5°		49	18 x 60	12 x 66	58			18 x 60	18 x 60	2				2
37.5° to 45°		53	12 x 33	18 x 63	66			18 x 60	18 x 69	2				2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				2	2
	15° to 22.5°	46	18 x 60	18 x 60			52	18 x 60	18 x 60				2	2
	22.5° to 30°	46	18 x 60	18 x 60			52	18 x 60	18 x 60				2	2
	30° to 37.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 63				2	2
	37.5° to 45°	51	18 x 60	18 x 66			63	18 x 60	18 x 72				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	57	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				2	2
	15° to 22.5°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				2	2
	22.5° to 30°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				2	2
	30° to 37.5°	47	18 x 60	18 x 60			52	18 x 60	18 x 63				2	2
	37.5° to 45°	50	18 x 60	18 x 69			59	18 x 60	18 x 75				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				2	2
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				2	2
	22.5° to 30°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				2	2
	30° to 37.5°	45	18 x 60	18 x 63			49	18 x 60	18 x 66				2	2
	37.5° to 45°	48	18 x 60	18 x 72			56	18 x 60	18 x 78				2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	105	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	132	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	92	12 x 30	12 x 39			137	12 x 39	12 x 51				2	2
	15° to 22.5°	86	12 x 33	12 x 48			144	18 x 60	12 x 63				2	2
	22.5° to 30°	83	12 x 33	12 x 57			118	12 x 42	12 x 69				2	2
	30° to 37.5°	85	12 x 33	12 x 63			105	12 x 36	12 x 72				2	2
	37.5° to 45°	90	12 x 30	18 x 63			99	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	103	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	129	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	88	12 x 33	12 x 42			131	12 x 42	12 x 54				2	2
	15° to 22.5°	83	12 x 36	12 x 51			137	18 x 60	12 x 63				2	2
	22.5° to 30°	79	12 x 36	12 x 60			112	12 x 42	12 x 69				2	2
	30° to 37.5°	81	12 x 33	12 x 66			99	12 x 39	12 x 72				2	2
	37.5° to 45°	86	12 x 33	18 x 63			94	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	99	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	124	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	84	12 x 33	12 x 45			125	12 x 42	12 x 54				2	2
	15° to 22.5°	79	12 x 36	12 x 51			132	18 x 60	12 x 63				2	2
	22.5° to 30°	76	12 x 36	12 x 60			106	12 x 45	12 x 72				2	2
	30° to 37.5°	77	12 x 36	12 x 69			94	12 x 39	18 x 63				2	2
	37.5° to 45°	82	12 x 33	18 x 66			89	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	95	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	119	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	81	12 x 36	12 x 45			120	12 x 45	12 x 57				2	2
	15° to 22.5°	76	12 x 39	12 x 51			126	18 x 60	12 x 66				2	2
	22.5° to 30°	72	12 x 39	12 x 63			101	18 x 60	12 x 72				2	2
	30° to 37.5°	74	12 x 36	12 x 69			90	12 x 42	18 x 63				2	2
	37.5° to 45°	79	12 x 36	18 x 66			85	12 x 36	18 x 69				2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	115	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	78	12 x 36	12 x 48			115	12 x 45	12 x 60				2	2
	15° to 22.5°	73	12 x 39	12 x 54			120	18 x 60	12 x 66				2	2
	22.5° to 30°	69	12 x 39	12 x 63			97	18 x 60	18 x 63				2	2
	30° to 37.5°	71	12 x 39	12 x 72			86	12 x 42	18 x 66				2	2
	37.5° to 45°	76	12 x 36	18 x 69			81	12 x 39	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 39	12 x 51			107	18 x 60	12 x 63				2	2
	15° to 22.5°	67	12 x 42	12 x 57			109	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 42	12 x 66			89	18 x 60	18 x 63				2	2
	30° to 37.5°	66	12 x 42	18 x 63			79	12 x 45	18 x 66				2	2
	37.5° to 45°	70	12 x 39	18 x 72			74	12 x 42	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	100	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 42	12 x 54			99	18 x 60	18 x 60				2	2
	15° to 22.5°	63	12 x 45	12 x 57			94	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 45	12 x 69			82	18 x 60	18 x 66				2	2
	30° to 37.5°	61	12 x 42	18 x 66			73	18 x 60	18 x 69				2	2
	37.5° to 45°	65	12 x 42	18 x 75			69	12 x 42	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 45	12 x 57			93	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 45	12 x 60			82	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 48	12 x 72			74	18 x 60	18 x 69				2	2
	30° to 37.5°	57	12 x 45	18 x 66			67	18 x 60	18 x 72				2	2
	37.5° to 45°	61	12 x 45	18 x 78			64	12 x 45	18 x 78				2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	70	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	12 x 54	12 x 54	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 48	12 x 57			83	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 45	12 x 60			72	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 48	12 x 72			65	18 x 60	18 x 69				2	2
	30° to 37.5°	53	12 x 48	18 x 69			63	18 x 60	18 x 75				2	2
	37.5° to 45°	57	12 x 45	18 x 81			60	12 x 48	18 x 81				2	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	66	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 57	12 x 57	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 48	12 x 60			74	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60			64	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 48	12 x 72			58	18 x 60	18 x 69				2	3
	30° to 37.5°	50	18 x 60	18 x 72			59	18 x 60	18 x 78				2	3
	37.5° to 45°	54	12 x 48	18 x 81			56	18 x 60	18 x 84				3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	62	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 48	12 x 60			66	18 x 60	18 x 60				2	2
	15° to 22.5°	38	12 x 45	12 x 60			57	18 x 60	18 x 60				2	3
	22.5° to 30°	39	12 x 48	12 x 72			52	18 x 60	18 x 69				3	3
	30° to 37.5°	44	18 x 60	18 x 72			54	18 x 60	18 x 78				3	3
	37.5° to 45°	51	18 x 60	18 x 84			53	18 x 60	18 x 87				3	3

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	93	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	117	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	86	12 x 30	12 x 39			127	12 x 36	12 x 48				2	2
	15° to 22.5°	86	12 x 33	12 x 48			143	18 x 60	12 x 63				2	2
	22.5° to 30°	83	12 x 33	12 x 57			118	12 x 42	12 x 69				2	2
	30° to 37.5°	85	12 x 33	12 x 63			105	12 x 36	12 x 72				2	2
	37.5° to 45°	90	12 x 30	18 x 63			99	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	115	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	83	12 x 30	12 x 42			124	12 x 39	12 x 51				2	2
	15° to 22.5°	83	12 x 36	12 x 51			137	18 x 60	12 x 63				2	2
	22.5° to 30°	79	12 x 36	12 x 60			112	12 x 42	12 x 69				2	2
	30° to 37.5°	81	12 x 33	12 x 66			99	12 x 39	12 x 72				2	2
	37.5° to 45°	86	12 x 33	18 x 63			94	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	112	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	81	12 x 33	12 x 42			120	12 x 42	12 x 54				2	2
	15° to 22.5°	79	12 x 36	12 x 51			132	18 x 60	12 x 63				2	2
	22.5° to 30°	76	12 x 36	12 x 60			106	12 x 45	12 x 72				2	2
	30° to 37.5°	77	12 x 36	12 x 69			94	12 x 39	18 x 63				2	2
	37.5° to 45°	82	12 x 33	18 x 66			89	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	109	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	79	12 x 36	12 x 45			117	12 x 45	12 x 57				2	2
	15° to 22.5°	76	12 x 39	12 x 51			126	18 x 60	12 x 66				2	2
	22.5° to 30°	72	12 x 39	12 x 63			101	18 x 60	12 x 72				2	2
	30° to 37.5°	74	12 x 36	12 x 69			90	12 x 42	18 x 63				2	2
	37.5° to 45°	79	12 x 36	18 x 66			85	12 x 36	18 x 69				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	76	12 x 36	12 x 48			113	18 x 60	12 x 57				2	2
	15° to 22.5°	73	12 x 39	12 x 54			120	18 x 60	12 x 66				2	2
	22.5° to 30°	69	12 x 39	12 x 63			97	18 x 60	18 x 63				2	2
	30° to 37.5°	71	12 x 39	12 x 72			86	12 x 42	18 x 66				2	2
	37.5° to 45°	76	12 x 36	18 x 69			81	12 x 39	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	102	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 39	12 x 51			107	18 x 60	12 x 63				2	2
	15° to 22.5°	67	12 x 42	12 x 57			109	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 42	12 x 66			89	18 x 60	18 x 63				2	2
	30° to 37.5°	66	12 x 42	18 x 63			79	12 x 45	18 x 66				2	2
	37.5° to 45°	70	12 x 39	18 x 72			74	12 x 42	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	97	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 42	12 x 54			99	18 x 60	18 x 60				2	2
	15° to 22.5°	63	12 x 45	12 x 57			94	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 45	12 x 69			82	18 x 60	18 x 66				2	2
	30° to 37.5°	61	12 x 42	18 x 66			73	18 x 60	18 x 69				2	2
	37.5° to 45°	65	12 x 42	18 x 75			69	12 x 42	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 51	12 x 51	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 45	12 x 57			93	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 45	12 x 60			82	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 48	12 x 72			74	18 x 60	18 x 69				2	2
	30° to 37.5°	57	12 x 45	18 x 66			67	18 x 60	18 x 72				2	2
	37.5° to 45°	61	12 x 45	18 x 78			64	12 x 45	18 x 78				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	70	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			88	12 x 54	12 x 54	Yes	Yes	Yes	2	2
7.5° to 15°	59	12 x 48	12 x 57					83	18 x 60	18 x 60				2	2
15° to 22.5°	49	12 x 45	12 x 60					72	18 x 60	18 x 60				2	2
22.5° to 30°	50	12 x 48	12 x 72					65	18 x 60	18 x 69				2	2
30° to 37.5°	53	12 x 48	18 x 69					63	18 x 60	18 x 75				2	2
37.5° to 45°	57	12 x 45	18 x 81					60	12 x 48	18 x 81				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	66	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			83	12 x 57	12 x 57	Yes	Yes	Yes	2	2
7.5° to 15°	52	12 x 48	12 x 60					74	18 x 60	18 x 60				2	2
15° to 22.5°	43	12 x 45	12 x 60					64	18 x 60	18 x 60				2	2
22.5° to 30°	44	12 x 48	12 x 72					58	18 x 60	18 x 69				2	3
30° to 37.5°	50	18 x 60	18 x 72					59	18 x 60	18 x 78				2	3
37.5° to 45°	54	12 x 48	18 x 81					56	18 x 60	18 x 84				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	62	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	46	12 x 48	12 x 60					66	18 x 60	18 x 60				2	2
15° to 22.5°	38	12 x 45	12 x 60					57	18 x 60	18 x 60				2	3
22.5° to 30°	39	12 x 48	12 x 72					52	18 x 60	18 x 69				3	3
30° to 37.5°	44	18 x 60	18 x 72					54	18 x 60	18 x 78				3	3
37.5° to 45°	51	18 x 60	18 x 84					53	18 x 60	18 x 87				3	3

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	100	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	75	12 x 30	12 x 36			111	18 x 60	12 x 45				2	2
	15° to 22.5°	78	12 x 30	12 x 48			129	18 x 60	18 x 60				2	2
	22.5° to 30°	76	12 x 33	12 x 57			118	18 x 60	12 x 69				2	2
	30° to 37.5°	78	12 x 30	12 x 63			105	12 x 36	12 x 72				2	2
	37.5° to 45°	83	12 x 30	12 x 72			99	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	99	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	73	12 x 30	12 x 39			109	18 x 60	18 x 60				2	2
	15° to 22.5°	75	12 x 33	12 x 48			126	18 x 60	18 x 60				2	2
	22.5° to 30°	74	12 x 33	12 x 57			112	18 x 60	12 x 69				2	2
	30° to 37.5°	76	12 x 33	12 x 66			99	12 x 39	12 x 72				2	2
	37.5° to 45°	81	12 x 30	18 x 63			94	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	97	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	72	12 x 30	12 x 39			106	18 x 60	18 x 60				2	2
	15° to 22.5°	73	12 x 36	12 x 48			122	18 x 60	18 x 60				2	2
	22.5° to 30°	72	12 x 36	12 x 60			106	18 x 60	12 x 72				2	2
	30° to 37.5°	74	12 x 33	12 x 66			94	12 x 39	18 x 63				2	2
	37.5° to 45°	79	12 x 33	18 x 63			89	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	95	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 33	12 x 42			104	18 x 60	18 x 60				2	2
	15° to 22.5°	71	12 x 36	12 x 51			119	18 x 60	18 x 60				2	2
	22.5° to 30°	70	12 x 39	12 x 63			101	18 x 60	12 x 72				2	2
	30° to 37.5°	72	12 x 36	12 x 69			90	12 x 42	18 x 63				2	2
	37.5° to 45°	76	12 x 36	18 x 66			85	12 x 36	18 x 69				2	2

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 20 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	93	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	69	12 x 33	12 x 45			102	18 x 60	18 x 60				2	2
	15° to 22.5°	69	12 x 39	12 x 51			115	18 x 60	18 x 60				2	2
	22.5° to 30°	68	12 x 39	12 x 63			97	18 x 60	18 x 63				2	2
	30° to 37.5°	70	12 x 39	12 x 72			86	12 x 42	18 x 66				2	2
	37.5° to 45°	74	12 x 36	18 x 69			81	12 x 39	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 36	12 x 48			97	18 x 60	18 x 60				2	2
	15° to 22.5°	66	12 x 42	12 x 54			104	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 42	12 x 66			89	18 x 60	18 x 63				2	2
	30° to 37.5°	66	12 x 42	18 x 63			79	12 x 45	18 x 66				2	2
	37.5° to 45°	70	12 x 39	18 x 72			74	12 x 42	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 39	12 x 51			93	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 45	12 x 57			93	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 45	12 x 69			82	18 x 60	18 x 66				2	2
	30° to 37.5°	61	12 x 42	18 x 66			73	18 x 60	18 x 69				2	2
	37.5° to 45°	65	12 x 42	18 x 75			69	12 x 42	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	12 x 48	12 x 48	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 42	12 x 54			86	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 45	12 x 60			82	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 48	12 x 72			74	18 x 60	18 x 69				2	2
	30° to 37.5°	57	12 x 45	18 x 66			67	18 x 60	18 x 72				2	2
	37.5° to 45°	61	12 x 45	18 x 78			64	12 x 45	18 x 78				2	2

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 45	12 x 57			79	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 45	12 x 60			72	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 48	12 x 72			65	18 x 60	18 x 69				2	2
	30° to 37.5°	53	12 x 48	18 x 69			63	18 x 60	18 x 75				2	2
	37.5° to 45°	57	12 x 45	18 x 81			60	12 x 48	18 x 81				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 48	12 x 60			72	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60			64	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 48	12 x 72			58	18 x 60	18 x 69				2	3
	30° to 37.5°	50	18 x 60	18 x 72			59	18 x 60	18 x 78				2	3
	37.5° to 45°	54	12 x 48	18 x 81			56	18 x 60	18 x 84				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 48	12 x 60			66	18 x 60	18 x 60				2	2
	15° to 22.5°	38	12 x 45	12 x 60			57	18 x 60	18 x 60				2	3
	22.5° to 30°	39	12 x 48	12 x 72			52	18 x 60	18 x 69				3	3
	30° to 37.5°	44	18 x 60	18 x 72			54	18 x 60	18 x 78				3	3
	37.5° to 45°	51	18 x 60	18 x 84			53	18 x 60	18 x 87				3	3

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 30 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	96	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	73	12 x 30	12 x 36			108	18 x 60	18 x 60				2	2
	15° to 22.5°	71	12 x 30	12 x 45			119	18 x 60	18 x 60				2	2
	22.5° to 30°	71	12 x 30	12 x 54			118	18 x 60	18 x 60				2	2
	30° to 37.5°	73	12 x 30	12 x 60			105	18 x 60	12 x 72				2	2
	37.5° to 45°	77	12 x 30	12 x 69			99	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	95	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	71	12 x 30	12 x 36			106	18 x 60	18 x 60				2	2
	15° to 22.5°	70	12 x 33	12 x 45			116	18 x 60	18 x 60				2	2
	22.5° to 30°	69	12 x 33	12 x 57			112	18 x 60	18 x 60				2	2
	30° to 37.5°	71	12 x 30	12 x 63			99	18 x 60	12 x 72				2	2
	37.5° to 45°	75	12 x 30	12 x 72			94	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	94	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 30	12 x 39			103	18 x 60	18 x 60				2	2
	15° to 22.5°	68	12 x 33	12 x 48			111	18 x 60	18 x 60				2	2
	22.5° to 30°	67	12 x 33	12 x 57			106	18 x 60	18 x 60				2	2
	30° to 37.5°	69	12 x 33	12 x 66			94	18 x 60	18 x 63				2	2
	37.5° to 45°	73	12 x 33	18 x 63			89	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	92	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	68	12 x 33	12 x 42			101	18 x 60	18 x 60				2	2
	15° to 22.5°	66	12 x 36	12 x 48			106	18 x 60	18 x 60				2	2
	22.5° to 30°	65	12 x 36	12 x 60			101	18 x 60	18 x 60				2	2
	30° to 37.5°	67	12 x 36	12 x 66			90	18 x 60	18 x 63				2	2
	37.5° to 45°	72	12 x 33	18 x 63			85	12 x 36	18 x 69				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 33	12 x 42			99	18 x 60	18 x 60				2	2
	15° to 22.5°	65	12 x 36	12 x 51			101	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 39	12 x 63			97	18 x 60	18 x 63				2	2
	30° to 37.5°	66	12 x 36	12 x 69			86	18 x 60	18 x 66				2	2
	37.5° to 45°	70	12 x 36	18 x 66			81	12 x 39	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 36	12 x 48			95	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 39	12 x 54			92	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 42	12 x 66			88	18 x 60	18 x 63				2	2
	30° to 37.5°	62	12 x 39	12 x 72			79	18 x 60	18 x 66				2	2
	37.5° to 45°	66	12 x 39	18 x 69			74	12 x 42	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	12 x 45	12 x 45	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 39	12 x 51			90	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 42	12 x 57			83	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 45	12 x 69			80	18 x 60	18 x 66				2	2
	30° to 37.5°	59	12 x 42	18 x 63			73	18 x 60	18 x 69				2	2
	37.5° to 45°	63	12 x 42	18 x 72			69	12 x 42	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 42	12 x 54			83	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 45	12 x 60			76	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 48	12 x 72			72	18 x 60	18 x 66				2	2
	30° to 37.5°	56	12 x 45	18 x 66			67	18 x 60	18 x 72				2	2
	37.5° to 45°	60	12 x 45	18 x 78			64	12 x 45	18 x 78				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 45	12 x 57			76	18 x 60	18 x 60				2	2
	15° to 22.5°	49	12 x 45	12 x 60			69	18 x 60	18 x 60				2	2
	22.5° to 30°	50	12 x 48	12 x 72			65	18 x 60	18 x 69				2	2
	30° to 37.5°	53	12 x 48	18 x 69			63	18 x 60	18 x 75				2	2
	37.5° to 45°	57	12 x 45	18 x 81			60	12 x 48	18 x 81				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	12 x 48	12 x 60			70	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60			63	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 48	12 x 72			58	18 x 60	18 x 69				2	3
	30° to 37.5°	50	18 x 60	18 x 72			59	18 x 60	18 x 78				2	3
	37.5° to 45°	54	12 x 48	18 x 81			56	18 x 60	18 x 84				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	12 x 48	12 x 60			64	18 x 60	18 x 60				2	2
	15° to 22.5°	38	12 x 45	12 x 60			57	18 x 60	18 x 60				2	3
	22.5° to 30°	39	12 x 48	12 x 72			52	18 x 60	18 x 69				3	3
	30° to 37.5°	44	18 x 60	18 x 72			54	18 x 60	18 x 78				3	3
	37.5° to 45°	51	18 x 60	18 x 84			53	18 x 60	18 x 87				3	3

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 30	12 x 36			100	18 x 60	18 x 60				2	2
	15° to 22.5°	66	12 x 30	12 x 45			106	18 x 60	18 x 60				2	2
	22.5° to 30°	66	12 x 30	12 x 51			105	18 x 60	18 x 60				2	2
	30° to 37.5°	68	12 x 30	12 x 60			105	18 x 60	18 x 60				2	2
	37.5° to 45°	72	12 x 30	12 x 66			99	12 x 33	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	66	12 x 30	12 x 36			98	18 x 60	18 x 60				2	2
	15° to 22.5°	65	12 x 30	12 x 45			101	18 x 60	18 x 60				2	2
	22.5° to 30°	65	12 x 30	12 x 54			100	18 x 60	18 x 60				2	2
	30° to 37.5°	67	12 x 30	12 x 60			99	18 x 60	18 x 60				2	2
	37.5° to 45°	71	12 x 30	12 x 69			94	12 x 33	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	86	12 x 30	12 x 30	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 30	12 x 39			96	18 x 60	18 x 60				2	2
	15° to 22.5°	64	12 x 33	12 x 45			97	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 33	12 x 57			96	18 x 60	18 x 60				2	2
	30° to 37.5°	65	12 x 33	12 x 63			94	18 x 60	18 x 63				2	2
	37.5° to 45°	69	12 x 30	12 x 72			89	12 x 36	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	85	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 30	12 x 39			94	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 33	12 x 48			93	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 36	12 x 57			92	18 x 60	18 x 60				2	2
	30° to 37.5°	64	12 x 33	12 x 66			90	18 x 60	18 x 63				2	2
	37.5° to 45°	68	12 x 33	18 x 63			85	12 x 36	18 x 69				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 33	12 x 42			93	18 x 60	18 x 60				2	2
	15° to 22.5°	61	12 x 36	12 x 48			89	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 36	12 x 60			87	18 x 60	18 x 60				2	2
	30° to 37.5°	62	12 x 36	12 x 66			86	18 x 60	18 x 66				2	2
	37.5° to 45°	66	12 x 33	18 x 63			81	12 x 39	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 36	12 x 45			87	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 39	12 x 51			82	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 39	12 x 63			80	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 39	12 x 72			79	18 x 60	18 x 66				2	2
	37.5° to 45°	63	12 x 36	18 x 69			74	12 x 42	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 39	12 x 48			80	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 42	12 x 54			75	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 42	12 x 66			73	18 x 60	18 x 63				2	2
	30° to 37.5°	57	12 x 42	18 x 63			73	18 x 60	18 x 69				2	2
	37.5° to 45°	60	12 x 39	18 x 72			69	12 x 42	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 42	12 x 51			74	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 45	12 x 57			69	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 45	12 x 69			67	18 x 60	18 x 66				2	2
	30° to 37.5°	54	12 x 45	18 x 66			67	18 x 60	18 x 72				2	2
	37.5° to 45°	58	12 x 42	18 x 75			64	12 x 45	18 x 78				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	59	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F		
	7.5° to 15°	54	12 x 45	12 x 54						74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	15° to 22.5°	49	12 x 45	12 x 60						69	18 x 60	18 x 60				2	2
	22.5° to 30°	50	18 x 60	12 x 72						64	18 x 60	18 x 60				2	2
	30° to 37.5°	52	18 x 60	18 x 69						61	18 x 60	18 x 66				2	2
	37.5° to 45°	55	12 x 45	18 x 78						63	18 x 60	18 x 75				2	2
										60	18 x 60	18 x 81				2	3

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	57	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F		
	7.5° to 15°	52	18 x 60	12 x 60						72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	15° to 22.5°	43	12 x 45	12 x 60						64	18 x 60	18 x 60				2	2
	22.5° to 30°	44	12 x 48	12 x 72						59	18 x 60	18 x 60				2	2
	30° to 37.5°	50	18 x 60	18 x 72						56	18 x 60	18 x 69				2	3
	37.5° to 45°	53	12 x 48	18 x 81						59	18 x 60	18 x 78				2	3
										56	18 x 60	18 x 84				3	3

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	55	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F		
	7.5° to 15°	46	12 x 48	12 x 60						69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	15° to 22.5°	38	12 x 45	12 x 60						59	18 x 60	18 x 60				2	2
	22.5° to 30°	39	12 x 48	12 x 72						54	18 x 60	18 x 60				2	3
	30° to 37.5°	44	18 x 60	18 x 72						51	18 x 60	18 x 69				3	3
	37.5° to 45°	51	18 x 60	18 x 84						54	18 x 60	18 x 78				3	3
										53	18 x 60	18 x 87				3	3

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 30	12 x 36			93	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 30	12 x 42			93	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 30	12 x 51			93	18 x 60	18 x 60				2	2
	30° to 37.5°	64	12 x 30	12 x 57			100	18 x 60	18 x 60				2	2
	37.5° to 45°	68	12 x 30	12 x 66			99	18 x 60	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 30	12 x 36			92	18 x 60	18 x 60				2	2
	15° to 22.5°	61	12 x 30	12 x 45			90	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 30	12 x 54			90	18 x 60	18 x 60				2	2
	30° to 37.5°	63	12 x 30	12 x 60			96	18 x 60	18 x 60				2	2
	37.5° to 45°	67	12 x 30	12 x 69			94	18 x 60	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 30	12 x 39			89	18 x 60	18 x 60				2	2
	15° to 22.5°	60	12 x 30	12 x 45			87	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 33	12 x 54			86	18 x 60	18 x 60				2	2
	30° to 37.5°	62	12 x 30	12 x 63			92	18 x 60	18 x 60				2	2
	37.5° to 45°	66	12 x 30	12 x 72			89	18 x 60	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 30	12 x 39			86	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 33	12 x 48			83	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 33	12 x 57			83	18 x 60	18 x 60				2	2
	30° to 37.5°	61	12 x 33	12 x 63			88	18 x 60	18 x 63				2	2
	37.5° to 45°	64	12 x 30	12 x 72			85	18 x 60	18 x 69				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 50 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 30	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	78	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 30	12 x 39			83	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 36	12 x 48			80	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 36	12 x 60			79	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 33	12 x 66			84	18 x 60	18 x 63				2	2
	37.5° to 45°	63	12 x 33	18 x 63			81	18 x 60	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 33	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	76	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 36	12 x 45			78	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 39	12 x 51			74	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 39	12 x 63			73	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 39	12 x 69			78	18 x 60	18 x 66				2	2
	37.5° to 45°	61	12 x 36	18 x 66			74	18 x 60	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 39	12 x 48			73	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 42	12 x 54			69	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 42	12 x 66			67	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 39	18 x 60			71	18 x 60	18 x 69				2	2
	37.5° to 45°	58	12 x 39	18 x 69			69	18 x 60	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 39	12 x 51			68	18 x 60	18 x 60				2	2
	15° to 22.5°	52	18 x 60	12 x 57			64	18 x 60	18 x 60				2	2
	22.5° to 30°	51	18 x 60	12 x 69			62	18 x 60	18 x 63				2	2
	30° to 37.5°	52	18 x 60	18 x 63			66	18 x 60	18 x 72				2	2
	37.5° to 45°	56	12 x 42	18 x 75			64	18 x 60	18 x 78				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	56	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	18 x 60	12 x 54					63	18 x 60	18 x 60				2	2
	15° to 22.5°	49	18 x 60	12 x 60					59	18 x 60	18 x 60				2	2
	22.5° to 30°	49	18 x 60	12 x 72					57	18 x 60	18 x 63				2	3
	30° to 37.5°	50	18 x 60	18 x 66					60	18 x 60	18 x 72				2	3
	37.5° to 45°	54	12 x 45	18 x 78					60	18 x 60	18 x 81				2	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	54	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	12 x 57					59	18 x 60	18 x 60				2	2
	15° to 22.5°	43	12 x 45	12 x 60					55	18 x 60	18 x 60				2	3
	22.5° to 30°	44	18 x 60	12 x 72					52	18 x 60	18 x 66				2	3
	30° to 37.5°	48	18 x 60	18 x 69					56	18 x 60	18 x 75				2	3
	37.5° to 45°	51	18 x 60	18 x 81					56	18 x 60	18 x 84				3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	53	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			66	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	46	18 x 60	12 x 60					55	18 x 60	18 x 60				2	3
	15° to 22.5°	38	12 x 45	12 x 60					51	18 x 60	18 x 60				2	3
	22.5° to 30°	39	18 x 60	12 x 72					48	18 x 60	18 x 66				3	3
	30° to 37.5°	44	18 x 60	18 x 72					51	18 x 60	18 x 75				3	3
	37.5° to 45°	49	18 x 60	18 x 84					53	18 x 60	18 x 87				3	3

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 30	12 x 39			85	18 x 60	18 x 60				2	2
	15° to 22.5°	59	12 x 30	12 x 42			83	18 x 60	18 x 60				2	2
	22.5° to 30°	59	12 x 30	12 x 51			84	18 x 60	18 x 60				2	2
	30° to 37.5°	61	12 x 30	12 x 57			90	18 x 60	18 x 60				2	2
	37.5° to 45°	65	12 x 30	12 x 63			99	18 x 60	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	59	12 x 30	12 x 39			82	18 x 60	18 x 60				2	2
	15° to 22.5°	58	12 x 30	12 x 42			81	18 x 60	18 x 60				2	2
	22.5° to 30°	58	12 x 30	12 x 51			81	18 x 60	18 x 60				2	2
	30° to 37.5°	60	12 x 30	12 x 57			87	18 x 60	18 x 60				2	2
	37.5° to 45°	64	12 x 30	12 x 66			94	18 x 60	18 x 66				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	58	12 x 30	12 x 39			80	18 x 60	18 x 60				2	2
	15° to 22.5°	57	12 x 30	12 x 45			78	18 x 60	18 x 60				2	2
	22.5° to 30°	57	12 x 30	12 x 54			78	18 x 60	18 x 60				2	2
	30° to 37.5°	59	12 x 30	12 x 60			84	18 x 60	18 x 60				2	2
	37.5° to 45°	63	12 x 30	12 x 69			89	18 x 60	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	57	12 x 30	12 x 39			78	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 33	12 x 45			76	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 33	12 x 57			75	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 33	12 x 63			80	18 x 60	18 x 60				2	2
	37.5° to 45°	61	12 x 30	12 x 72			85	18 x 60	18 x 69				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 39			75	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 33	12 x 48			73	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 36	12 x 57			72	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 33	12 x 66			77	18 x 60	18 x 63				2	2
	37.5° to 45°	60	12 x 33	18 x 63			81	18 x 60	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 33	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 33	12 x 42			71	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 36	12 x 51			68	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 39	12 x 60			67	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 36	12 x 69			72	18 x 60	18 x 66				2	2
	37.5° to 45°	58	12 x 36	18 x 66			74	18 x 60	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 36	12 x 45			66	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	12 x 54			63	18 x 60	18 x 60				2	2
	22.5° to 30°	51	18 x 60	12 x 66			62	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 39	12 x 72			66	18 x 60	18 x 66				2	2
	37.5° to 45°	56	12 x 39	18 x 69			69	18 x 60	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	69	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	51	18 x 60	12 x 51			62	18 x 60	18 x 60				2	2
	15° to 22.5°	50	18 x 60	12 x 57			59	18 x 60	18 x 60				2	2
	22.5° to 30°	49	18 x 60	12 x 69			57	18 x 60	18 x 60				2	3
	30° to 37.5°	50	18 x 60	18 x 63			61	18 x 60	18 x 69				2	2
	37.5° to 45°	54	12 x 42	18 x 72			64	18 x 60	18 x 78				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	53	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	49	18 x 60	18 x 60				58	18 x 60	18 x 60				2	3
	15° to 22.5°	48	18 x 60	12 x 57				55	18 x 60	18 x 60				2	3
	22.5° to 30°	47	18 x 60	12 x 72				53	18 x 60	18 x 63				2	3
	30° to 37.5°	49	18 x 60	18 x 66				57	18 x 60	18 x 72				2	3
	37.5° to 45°	52	18 x 60	18 x 75				60	18 x 60	18 x 81				2	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		64	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	48	18 x 60	18 x 60				55	18 x 60	18 x 60				2	3
	15° to 22.5°	43	18 x 60	12 x 60				51	18 x 60	18 x 60				2	3
	22.5° to 30°	44	18 x 60	12 x 72				49	18 x 60	18 x 63				3	3
	30° to 37.5°	47	18 x 60	18 x 69				52	18 x 60	18 x 72				2	3
	37.5° to 45°	50	18 x 60	18 x 81				56	18 x 60	18 x 84				3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		61	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	46	18 x 60	18 x 60				51	18 x 60	18 x 60				2	3
	15° to 22.5°	38	12 x 45	12 x 60				48	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	12 x 72				46	18 x 60	18 x 66				3	3
	30° to 37.5°	44	18 x 60	18 x 72				49	18 x 60	18 x 75				3	3
	37.5° to 45°	48	18 x 60	18 x 84				53	18 x 60	18 x 87				3	3

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 39			76	18 x 60	18 x 60				2	2
	15° to 22.5°	56	12 x 30	12 x 42			76	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 48			77	18 x 60	18 x 60				2	2
	30° to 37.5°	58	12 x 30	12 x 54			82	18 x 60	18 x 60				2	2
	37.5° to 45°	62	12 x 30	12 x 63			92	18 x 60	18 x 63				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	56	12 x 30	12 x 39			74	18 x 60	18 x 60				2	2
	15° to 22.5°	55	12 x 30	12 x 42			73	18 x 60	18 x 60				2	2
	22.5° to 30°	56	12 x 30	12 x 51			74	18 x 60	18 x 60				2	2
	30° to 37.5°	57	12 x 30	12 x 57			79	18 x 60	18 x 60				2	2
	37.5° to 45°	61	12 x 30	12 x 66			89	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	55	12 x 30	12 x 39			72	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 45			71	18 x 60	18 x 60				2	2
	22.5° to 30°	55	12 x 30	12 x 54			72	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 60			77	18 x 60	18 x 60				2	2
	37.5° to 45°	60	12 x 30	12 x 69			86	18 x 60	18 x 66				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	54	12 x 30	12 x 39			70	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 45			69	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 33	12 x 54			69	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 60			74	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 30	12 x 69			83	18 x 60	18 x 69				2	2

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		
				Ground Snow Load up to 70 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	53	12 x 30	12 x 39			68	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 33	12 x 45			67	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 33	12 x 57			67	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 33	12 x 63			71	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 72			81	18 x 60	18 x 69				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	52	18 x 60	12 x 42			65	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	12 x 48			63	18 x 60	18 x 60				2	2
	22.5° to 30°	51	18 x 60	12 x 60			62	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 36	12 x 69			66	18 x 60	18 x 63				2	2
	37.5° to 45°	56	12 x 36	18 x 63			74	18 x 60	18 x 72				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 33	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	67	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	50	18 x 60	12 x 45			61	18 x 60	18 x 60				2	2
	15° to 22.5°	49	18 x 60	12 x 51			59	18 x 60	18 x 60				2	3
	22.5° to 30°	49	18 x 60	12 x 63			58	18 x 60	18 x 60				2	3
	30° to 37.5°	51	18 x 60	12 x 72			62	18 x 60	18 x 66				2	2
	37.5° to 45°	54	12 x 36	18 x 69			69	18 x 60	18 x 75				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	49	18 x 60	18 x 60			57	18 x 60	18 x 60				2	3
	15° to 22.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				2	3
	22.5° to 30°	47	18 x 60	12 x 66			54	18 x 60	18 x 60				2	3
	30° to 37.5°	49	18 x 60	18 x 63			57	18 x 60	18 x 66				2	3
	37.5° to 45°	52	18 x 60	18 x 72			64	18 x 60	18 x 78				2	3

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F					
	0° to 7.5°	51	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	62	18 x 60	18 x 60	Yes	Yes	Yes	2	3			
	7.5° to 15°	47	18 x 60	18 x 60				54	18 x 60						18 x 60	2	3
	15° to 22.5°	46	18 x 60	18 x 60				51	18 x 60						18 x 60	2	3
	22.5° to 30°	46	18 x 60	18 x 60				50	18 x 60						18 x 60	3	3
	30° to 37.5°	47	18 x 60	18 x 66				53	18 x 60						18 x 69	2	3
	37.5° to 45°	50	18 x 60	18 x 75				60	18 x 60						18 x 81	2	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F					
	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	2	3			
	7.5° to 15°	46	18 x 60	18 x 60				51	18 x 60						18 x 60	3	3
	15° to 22.5°	43	18 x 60	18 x 60				48	18 x 60						18 x 60	3	3
	22.5° to 30°	44	18 x 60	18 x 60				47	18 x 60						18 x 63	3	3
	30° to 37.5°	45	18 x 60	18 x 69				50	18 x 60						18 x 72	3	3
	37.5° to 45°	49	18 x 60	18 x 78				56	18 x 60						18 x 84	3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel					
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F					
	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	56	18 x 60	18 x 60	Yes	Yes	Yes	2	3			
	7.5° to 15°	45	18 x 60	18 x 60				48	18 x 60						18 x 60	3	3
	15° to 22.5°	38	18 x 60	12 x 60				45	18 x 60						18 x 60	3	3
	22.5° to 30°	39	18 x 60	12 x 72				43	18 x 60						18 x 63	3	3
	30° to 37.5°	44	18 x 60	18 x 72				46	18 x 60						18 x 72	3	3
	37.5° to 45°	47	18 x 60	18 x 81				53	18 x 60						18 x 87	3	3

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	53	12 x 30	12 x 39			67	18 x 60	18 x 60				2	2
	15° to 22.5°	54	12 x 30	12 x 42			69	18 x 60	18 x 60				2	2
	22.5° to 30°	54	12 x 30	12 x 48			70	18 x 60	18 x 60				2	2
	30° to 37.5°	56	12 x 30	12 x 54			75	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 30	12 x 60			85	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	53	12 x 30	12 x 39			67	18 x 60	18 x 60				2	2
	15° to 22.5°	53	12 x 30	12 x 42			67	18 x 60	18 x 60				2	2
	22.5° to 30°	53	12 x 30	12 x 51			68	18 x 60	18 x 60				2	2
	30° to 37.5°	55	12 x 30	12 x 57			73	18 x 60	18 x 60				2	2
	37.5° to 45°	59	12 x 30	12 x 63			82	18 x 60	18 x 63				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	52	12 x 30	12 x 39			66	18 x 60	18 x 60				2	2
	15° to 22.5°	52	18 x 60	12 x 45			65	18 x 60	18 x 60				2	2
	22.5° to 30°	52	12 x 30	12 x 51			66	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 57			71	18 x 60	18 x 60				2	2
	37.5° to 45°	58	12 x 30	12 x 66			80	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	52	18 x 60	12 x 39			64	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	12 x 45			63	18 x 60	18 x 60				2	2
	22.5° to 30°	52	18 x 60	12 x 54			64	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 30	12 x 60			69	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 69			77	18 x 60	18 x 66				2	2

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 80 psf			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	51	18 x 60	12 x 39				63	18 x 60	18 x 60				2	2
	15° to 22.5°	51	18 x 60	12 x 45				62	18 x 60	18 x 60				2	2
	22.5° to 30°	51	18 x 60	12 x 57				62	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 33	12 x 63				66	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 72				75	18 x 60	18 x 69				2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		65	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	50	18 x 60	18 x 60				60	18 x 60	18 x 60				2	3
	15° to 22.5°	49	18 x 60	12 x 48				58	18 x 60	18 x 60				2	3
	22.5° to 30°	49	18 x 60	12 x 60				58	18 x 60	18 x 60				2	3
	30° to 37.5°	51	18 x 60	12 x 66				62	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 33	18 x 63				70	18 x 60	18 x 72				2	2

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	51	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		62	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	48	18 x 60	18 x 60				56	18 x 60	18 x 60				2	3
	15° to 22.5°	48	18 x 60	18 x 60				55	18 x 60	18 x 60				2	3
	22.5° to 30°	47	18 x 60	18 x 60				54	18 x 60	18 x 60				2	3
	30° to 37.5°	49	18 x 60	12 x 69				58	18 x 60	18 x 63				2	3
	37.5° to 45°	52	18 x 60	18 x 66				66	18 x 60	18 x 75				2	2

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		60	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	47	18 x 60	18 x 60				53	18 x 60	18 x 60				2	3
	15° to 22.5°	46	18 x 60	18 x 60				51	18 x 60	18 x 60				2	3
	22.5° to 30°	46	18 x 60	18 x 60				51	18 x 60	18 x 60				3	3
	30° to 37.5°	47	18 x 60	18 x 63				54	18 x 60	18 x 66				2	3
	37.5° to 45°	51	18 x 60	18 x 72				61	18 x 60	18 x 78				2	3

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	57	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	3
	15° to 22.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	22.5° to 30°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	30° to 37.5°	46	18 x 60	18 x 66			50	18 x 60	18 x 66				3	3
	37.5° to 45°	49	18 x 60	18 x 75			57	18 x 60	18 x 81				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	15° to 22.5°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	22.5° to 30°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				3	3
	30° to 37.5°	44	18 x 60	18 x 66			47	18 x 60	18 x 69				3	3
	37.5° to 45°	47	18 x 60	18 x 78			54	18 x 60	18 x 81				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	18 x 60			41	18 x 60	18 x 63				3	3
	30° to 37.5°	43	18 x 60	18 x 69			44	18 x 60	18 x 72				3	3
	37.5° to 45°	46	18 x 60	18 x 81			50	18 x 60	18 x 84				3	3

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	50	18 x 60	18 x 60			60	18 x 60	18 x 60				2	3
	15° to 22.5°	51	18 x 60	18 x 60			62	18 x 60	18 x 60				2	2
	22.5° to 30°	52	18 x 60	12 x 48			65	18 x 60	18 x 60				2	2
	30° to 37.5°	54	12 x 30	12 x 54			70	18 x 60	18 x 60				2	2
	37.5° to 45°	57	12 x 30	12 x 60			78	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	50	18 x 60	18 x 60			60	18 x 60	18 x 60				2	3
	15° to 22.5°	51	18 x 60	18 x 60			62	18 x 60	18 x 60				2	3
	22.5° to 30°	51	18 x 60	12 x 48			63	18 x 60	18 x 60				2	2
	30° to 37.5°	53	12 x 30	12 x 54			68	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 63			76	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	50	18 x 60	18 x 60			60	18 x 60	18 x 60				2	3
	15° to 22.5°	50	18 x 60	18 x 60			60	18 x 60	18 x 60				2	3
	22.5° to 30°	50	18 x 60	12 x 51			61	18 x 60	18 x 60				2	2
	30° to 37.5°	52	12 x 30	12 x 57			66	18 x 60	18 x 60				2	2
	37.5° to 45°	56	12 x 30	12 x 66			74	18 x 60	18 x 63				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	50	18 x 60	18 x 60			59	18 x 60	18 x 60				2	3
	15° to 22.5°	49	18 x 60	18 x 60			59	18 x 60	18 x 60				2	3
	22.5° to 30°	50	18 x 60	12 x 54			59	18 x 60	18 x 60				2	2
	30° to 37.5°	52	18 x 60	12 x 60			64	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 30	12 x 69			72	18 x 60	18 x 63				2	2

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	49	18 x 60	18 x 60			58	18 x 60	18 x 60				2	3
	15° to 22.5°	49	18 x 60	18 x 60			57	18 x 60	18 x 60				2	3
	22.5° to 30°	49	18 x 60	12 x 54			58	18 x 60	18 x 60				2	3
	30° to 37.5°	51	18 x 60	12 x 60			62	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 69			70	18 x 60	18 x 66				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				2	3
	15° to 22.5°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				2	3
	22.5° to 30°	48	18 x 60	18 x 60			54	18 x 60	18 x 60				2	3
	30° to 37.5°	49	18 x 60	12 x 66			58	18 x 60	18 x 60				2	2
	37.5° to 45°	52	18 x 60	18 x 63			66	18 x 60	18 x 69				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	58	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				2	3
	15° to 22.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				2	3
	22.5° to 30°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				2	3
	30° to 37.5°	48	18 x 60	18 x 60			54	18 x 60	18 x 60				2	3
	37.5° to 45°	51	18 x 60	18 x 66			62	18 x 60	18 x 72				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				3	3
	15° to 22.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	22.5° to 30°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	30° to 37.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 63				2	3
	37.5° to 45°	49	18 x 60	18 x 69			58	18 x 60	18 x 75				2	3

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	15° to 22.5°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	22.5° to 30°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	30° to 37.5°	45	18 x 60	18 x 63			48	18 x 60	18 x 66				3	3
	37.5° to 45°	48	18 x 60	18 x 72			54	18 x 60	18 x 78				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	51	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	42	18 x 60	18 x 60			42	18 x 60	18 x 60				3	3
	30° to 37.5°	43	18 x 60	18 x 66			45	18 x 60	18 x 69				3	3
	37.5° to 45°	46	18 x 60	18 x 78			51	18 x 60	18 x 81				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	49	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	18 x 60			40	18 x 60	18 x 60				3	3
	22.5° to 30°	39	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	30° to 37.5°	42	18 x 60	18 x 69			42	18 x 60	18 x 69				3	3
	37.5° to 45°	45	18 x 60	18 x 81			48	18 x 60	18 x 81				3	3

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	3
	15° to 22.5°	48	18 x 60	18 x 60			56	18 x 60	18 x 60				2	3
	22.5° to 30°	50	18 x 60	18 x 60			60	18 x 60	18 x 60				2	2
	30° to 37.5°	52	18 x 60	18 x 60			65	18 x 60	18 x 60				2	2
	37.5° to 45°	55	12 x 30	12 x 60			73	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	3
	15° to 22.5°	48	18 x 60	18 x 60			56	18 x 60	18 x 60				2	3
	22.5° to 30°	49	18 x 60	18 x 60			59	18 x 60	18 x 60				2	3
	30° to 37.5°	51	18 x 60	12 x 54			63	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 63			71	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	3
	15° to 22.5°	48	18 x 60	18 x 60			56	18 x 60	18 x 60				2	3
	22.5° to 30°	49	18 x 60	18 x 60			57	18 x 60	18 x 60				2	3
	30° to 37.5°	51	18 x 60	12 x 57			61	18 x 60	18 x 60				2	2
	37.5° to 45°	54	12 x 30	12 x 63			69	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	3
	15° to 22.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				2	3
	22.5° to 30°	48	18 x 60	18 x 60			56	18 x 60	18 x 60				2	3
	30° to 37.5°	50	18 x 60	12 x 57			60	18 x 60	18 x 60				2	2
	37.5° to 45°	53	12 x 30	12 x 66			67	18 x 60	18 x 63				2	2

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	3
	15° to 22.5°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				2	3
	22.5° to 30°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				2	3
	30° to 37.5°	49	18 x 60	18 x 60			58	18 x 60	18 x 60				2	2
	37.5° to 45°	52	18 x 60	12 x 69			65	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	3
	15° to 22.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	3
	22.5° to 30°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				2	3
	30° to 37.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				2	3
	37.5° to 45°	51	18 x 60	18 x 63			62	18 x 60	18 x 66				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	53	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	15° to 22.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	22.5° to 30°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	30° to 37.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				2	3
	37.5° to 45°	49	18 x 60	18 x 66			58	18 x 60	18 x 72				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	15° to 22.5°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	22.5° to 30°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	30° to 37.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 63				3	3
	37.5° to 45°	48	18 x 60	18 x 69			55	18 x 60	18 x 72				2	3

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			50	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	43	18 x 60	18 x 60					45	18 x 60	18 x 60				3	3
	15° to 22.5°	42	18 x 60	18 x 60					43	18 x 60	18 x 60				3	3
	22.5° to 30°	42	18 x 60	18 x 60					43	18 x 60	18 x 60				3	3
	30° to 37.5°	44	18 x 60	18 x 63					45	18 x 60	18 x 63				3	3
	37.5° to 45°	46	18 x 60	18 x 72					52	18 x 60	18 x 75				3	3

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	18 x 60	18 x 60					42	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	18 x 60					41	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	18 x 60					40	18 x 60	18 x 60				3	3
	30° to 37.5°	42	18 x 60	18 x 66					43	18 x 60	18 x 66				3	3
	37.5° to 45°	45	18 x 60	18 x 75					49	18 x 60	18 x 78				3	3

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			46	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	41	18 x 60	18 x 60					40	18 x 60	18 x 60				3	3
	15° to 22.5°	38	18 x 60	18 x 60					38	18 x 60	18 x 60				3	NA
	22.5° to 30°	39	18 x 60	18 x 60					38	18 x 60	18 x 60				3	NA
	30° to 37.5°	41	18 x 60	18 x 69					40	18 x 60	18 x 69				3	3
	37.5° to 45°	44	18 x 60	18 x 78					46	18 x 60	18 x 81				3	3

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	45	18 x 60	18 x 60				49	18 x 60	18 x 60				3	3
15° to 22.5°	46	18 x 60	18 x 60				52	18 x 60	18 x 60				3	3
22.5° to 30°	48	18 x 60	18 x 60				55	18 x 60	18 x 60				2	3
30° to 37.5°	50	18 x 60	18 x 60				60	18 x 60	18 x 60				2	2
37.5° to 45°	53	12 x 30	12 x 57				66	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	45	18 x 60	18 x 60				49	18 x 60	18 x 60				3	3
15° to 22.5°	46	18 x 60	18 x 60				52	18 x 60	18 x 60				3	3
22.5° to 30°	48	18 x 60	18 x 60				55	18 x 60	18 x 60				2	3
30° to 37.5°	50	18 x 60	18 x 60				59	18 x 60	18 x 60				2	2
37.5° to 45°	53	12 x 30	12 x 60				66	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	45	18 x 60	18 x 60				49	18 x 60	18 x 60				3	3
15° to 22.5°	46	18 x 60	18 x 60				52	18 x 60	18 x 60				3	3
22.5° to 30°	47	18 x 60	18 x 60				53	18 x 60	18 x 60				2	3
30° to 37.5°	49	18 x 60	18 x 60				58	18 x 60	18 x 60				2	2
37.5° to 45°	52	18 x 60	12 x 63				65	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	45	18 x 60	18 x 60				49	18 x 60	18 x 60				3	3
15° to 22.5°	46	18 x 60	18 x 60				51	18 x 60	18 x 60				3	3
22.5° to 30°	47	18 x 60	18 x 60				52	18 x 60	18 x 60				2	3
30° to 37.5°	48	18 x 60	18 x 60				56	18 x 60	18 x 60				2	3
37.5° to 45°	51	18 x 60	18 x 60				63	18 x 60	18 x 60				2	2

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 110 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	15° to 22.5°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				3	3
	22.5° to 30°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				2	3
	30° to 37.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				2	3
	37.5° to 45°	51	18 x 60	18 x 60			61	18 x 60	18 x 63				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	15° to 22.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	22.5° to 30°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	30° to 37.5°	46	18 x 60	18 x 60			52	18 x 60	18 x 60				2	3
	37.5° to 45°	49	18 x 60	18 x 60			58	18 x 60	18 x 66				2	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				3	3
	15° to 22.5°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	22.5° to 30°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	30° to 37.5°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	37.5° to 45°	48	18 x 60	18 x 66			55	18 x 60	18 x 69				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				3	3
	15° to 22.5°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	30° to 37.5°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				3	3
	37.5° to 45°	47	18 x 60	18 x 69			52	18 x 60	18 x 72				3	3

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	18 x 60	18 x 60			42	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				3	3
	30° to 37.5°	42	18 x 60	18 x 63			43	18 x 60	18 x 63				3	3
	37.5° to 45°	45	18 x 60	18 x 72			49	18 x 60	18 x 75				3	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	45	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				3	NA
	15° to 22.5°	40	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	22.5° to 30°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				3	NA
	30° to 37.5°	41	18 x 60	18 x 66			41	18 x 60	18 x 66				3	3
	37.5° to 45°	44	18 x 60	18 x 75			46	18 x 60	18 x 78				3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	43	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				3	NA
	15° to 22.5°	38	18 x 60	18 x 60			37	18 x 60	18 x 60				3	NA
	22.5° to 30°	39	18 x 60	18 x 60			36	18 x 60	18 x 60				3	NA
	30° to 37.5°	40	18 x 60	18 x 69			38	18 x 60	18 x 66				3	NA
	37.5° to 45°	43	18 x 60	18 x 78			44	18 x 60	18 x 78				3	3

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				2	3
	30° to 37.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				2	2
	37.5° to 45°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				2	3
	30° to 37.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				2	3
	37.5° to 45°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				3	3
	30° to 37.5°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				2	3
	37.5° to 45°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	3
	30° to 37.5°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				2	3
	37.5° to 45°	50	18 x 60	18 x 60			60	18 x 60	18 x 60				2	2

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				3	3
	22.5° to 30°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	3
	30° to 37.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				2	3
	37.5° to 45°	49	18 x 60	18 x 60			58	18 x 60	18 x 60				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	15° to 22.5°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	22.5° to 30°	44	18 x 60	18 x 60			45	18 x 60	18 x 60				3	3
	30° to 37.5°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				2	3
	37.5° to 45°	48	18 x 60	18 x 60			55	18 x 60	18 x 63				2	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				3	3
	15° to 22.5°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	22.5° to 30°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				3	3
	30° to 37.5°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				3	3
	37.5° to 45°	47	18 x 60	18 x 63			52	18 x 60	18 x 66				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	18 x 60	18 x 60			42	18 x 60	18 x 60				3	3
	15° to 22.5°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				3	3
	22.5° to 30°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				3	3
	30° to 37.5°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				3	3
	37.5° to 45°	45	18 x 60	18 x 66			50	18 x 60	18 x 69				3	3

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 4 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				3	NA
	15° to 22.5°	40	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	22.5° to 30°	40	18 x 60	18 x 60			39	18 x 60	18 x 60				3	NA
	30° to 37.5°	42	18 x 60	18 x 63			41	18 x 60	18 x 63				3	3
	37.5° to 45°	44	18 x 60	18 x 72			47	18 x 60	18 x 72				3	3

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				3	NA
	15° to 22.5°	39	18 x 60	18 x 60			37	18 x 60	18 x 60				3	NA
	22.5° to 30°	39	18 x 60	18 x 60			37	18 x 60	18 x 60				3	NA
	30° to 37.5°	40	18 x 60	18 x 66			39	18 x 60	18 x 63				3	NA
	37.5° to 45°	43	18 x 60	18 x 75			44	18 x 60	18 x 75				3	3

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D	Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	41	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	41	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	39	18 x 60	18 x 60			36	18 x 60	18 x 60				3	NA
	15° to 22.5°	38	18 x 60	18 x 60			35	18 x 60	18 x 60				3	NA
	22.5° to 30°	38	18 x 60	18 x 60			35	18 x 60	18 x 60				3	NA
	30° to 37.5°	39	18 x 60	18 x 66			37	18 x 60	18 x 66				3	NA
	37.5° to 45°	42	18 x 60	18 x 78			42	18 x 60	18 x 78				3	NA

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	94	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		123	12 x 42	12 x 42	Yes	Yes	Yes	2	2
7.5° to 15°	83	12 x 33	12 x 42				128	12 x 42	12 x 54				2	2
15° to 22.5°	77	12 x 36	12 x 51				131	18 x 60	12 x 66				2	2
22.5° to 30°	74	12 x 36	12 x 60				106	18 x 60	12 x 72				2	2
30° to 37.5°	76	12 x 33	12 x 69				94	12 x 39	18 x 63				2	2
37.5° to 45°	81	12 x 33	18 x 66				89	12 x 36	18 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	92	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		120	12 x 42	12 x 42	Yes	Yes	Yes	2	2
7.5° to 15°	79	12 x 36	12 x 45				123	18 x 60	12 x 57				2	2
15° to 22.5°	74	12 x 36	12 x 51				124	18 x 60	18 x 60				2	2
22.5° to 30°	71	12 x 39	12 x 63				100	18 x 60	12 x 72				2	2
30° to 37.5°	72	12 x 36	12 x 69				89	12 x 42	18 x 63				2	2
37.5° to 45°	77	12 x 36	18 x 66				84	12 x 36	18 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	88	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		115	12 x 42	12 x 42	Yes	Yes	Yes	2	2
7.5° to 15°	76	12 x 36	12 x 48				118	18 x 60	12 x 60				2	2
15° to 22.5°	71	12 x 39	12 x 54				118	18 x 60	18 x 60				2	2
22.5° to 30°	68	12 x 39	12 x 63				95	18 x 60	18 x 63				2	2
30° to 37.5°	69	12 x 39	12 x 72				85	12 x 42	18 x 66				2	2
37.5° to 45°	74	12 x 36	18 x 69				80	12 x 39	18 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle 0° to 7.5°	85	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		111	12 x 45	12 x 45	Yes	Yes	Yes	2	2
7.5° to 15°	73	12 x 39	12 x 48				113	18 x 60	18 x 60				2	2
15° to 22.5°	68	12 x 42	12 x 54				110	18 x 60	18 x 60				2	2
22.5° to 30°	65	12 x 42	12 x 66				91	18 x 60	18 x 63				2	2
30° to 37.5°	66	12 x 39	12 x 72				81	12 x 45	18 x 66				2	2
37.5° to 45°	71	12 x 39	18 x 69				76	12 x 39	18 x 72				2	2

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	82	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			106	12 x 45	12 x 45	Yes	Yes	Yes	2	2
7.5° to 15°	70	12 x 39	12 x 51					108	18 x 60	18 x 60				2	2
15° to 22.5°	65	12 x 42	12 x 57					102	18 x 60	18 x 60				2	2
22.5° to 30°	62	12 x 42	12 x 66					87	18 x 60	18 x 66				2	2
30° to 37.5°	64	12 x 42	18 x 63					77	12 x 45	18 x 69				2	3
37.5° to 45°	68	12 x 39	18 x 72					73	12 x 42	18 x 75				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	76	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			99	12 x 48	12 x 48	Yes	Yes	Yes	2	2
7.5° to 15°	65	12 x 42	12 x 54					100	18 x 60	18 x 60				2	2
15° to 22.5°	60	12 x 45	12 x 60					87	18 x 60	18 x 60				2	2
22.5° to 30°	58	12 x 45	12 x 69					79	18 x 60	18 x 69				2	3
30° to 37.5°	59	12 x 42	18 x 66					71	18 x 60	18 x 72				3	3
37.5° to 45°	63	12 x 42	18 x 75					67	12 x 42	18 x 78				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	71	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			92	12 x 51	12 x 51	Yes	Yes	Yes	2	2
7.5° to 15°	60	12 x 45	12 x 57					87	18 x 60	18 x 60				2	2
15° to 22.5°	53	12 x 45	12 x 60					75	18 x 60	18 x 60				2	3
22.5° to 30°	53	12 x 48	12 x 72					69	18 x 60	18 x 69				3	3
30° to 37.5°	55	12 x 45	18 x 69					65	18 x 60	18 x 75				3	3
37.5° to 45°	59	12 x 45	18 x 78					62	12 x 45	18 x 81				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	67	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			87	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	55	12 x 48	12 x 60					76	18 x 60	18 x 60				2	3
15° to 22.5°	45	12 x 45	12 x 60					66	18 x 60	18 x 60				3	3
22.5° to 30°	47	12 x 48	12 x 72					60	18 x 60	18 x 69				3	NA
30° to 37.5°	51	18 x 60	18 x 69					60	18 x 60	18 x 75				3	NA
37.5° to 45°	55	12 x 48	18 x 81					57	12 x 48	18 x 84				3	NA

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		
				Snow-Free Region			

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	48	12 x 48	12 x 60			67	18 x 60	18 x 60				3	3
	15° to 22.5°	39	12 x 45	12 x 60			58	18 x 60	18 x 60				3	3
	22.5° to 30°	40	12 x 48	12 x 72			53	18 x 60	18 x 69				NA	NA
	30° to 37.5°	46	18 x 60	18 x 72			55	18 x 60	18 x 78				NA	NA
	37.5° to 45°	51	18 x 60	18 x 84			53	18 x 60	18 x 87				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 54	12 x 54	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 48	12 x 60			59	18 x 60	18 x 60				3	3
	15° to 22.5°	34	12 x 45	12 x 60			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	12 x 48	12 x 72			46	18 x 60	18 x 69				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72			49	18 x 60	18 x 78				NA	NA
	37.5° to 45°	47	18 x 60	18 x 87			50	18 x 60	18 x 87				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 54	12 x 54	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	12 x 48	12 x 60			53	18 x 60	18 x 60				3	NA
	15° to 22.5°	30	12 x 45	12 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72			41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87			47	18 x 60	18 x 90				NA	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	108	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	77	12 x 33	12 x 42			120	18 x 60	12 x 54				2	2
	15° to 22.5°	77	12 x 36	12 x 51			131	18 x 60	18 x 60				2	2
	22.5° to 30°	74	12 x 36	12 x 60			106	18 x 60	12 x 72				2	2
	30° to 37.5°	76	12 x 33	12 x 69			94	12 x 39	18 x 63				2	2
	37.5° to 45°	81	12 x 33	18 x 66			89	12 x 36	18 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	82	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	107	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	75	12 x 33	12 x 42			116	18 x 60	18 x 60				2	2
	15° to 22.5°	74	12 x 36	12 x 51			124	18 x 60	18 x 60				2	2
	22.5° to 30°	71	12 x 39	12 x 63			100	18 x 60	12 x 72				2	2
	30° to 37.5°	72	12 x 36	12 x 69			89	12 x 42	18 x 63				2	2
	37.5° to 45°	77	12 x 36	18 x 66			84	12 x 36	18 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	104	12 x 39	12 x 39	Yes	Yes	Yes	2	2
	7.5° to 15°	73	12 x 36	12 x 45			113	18 x 60	18 x 60				2	2
	15° to 22.5°	71	12 x 39	12 x 54			118	18 x 60	18 x 60				2	2
	22.5° to 30°	68	12 x 39	12 x 63			95	18 x 60	18 x 63				2	2
	30° to 37.5°	69	12 x 39	12 x 72			85	12 x 42	18 x 66				2	2
	37.5° to 45°	74	12 x 36	18 x 69			80	12 x 39	18 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	102	12 x 42	12 x 42	Yes	Yes	Yes	2	2
	7.5° to 15°	70	12 x 36	12 x 48			110	18 x 60	18 x 60				2	2
	15° to 22.5°	68	12 x 42	12 x 54			110	18 x 60	18 x 60				2	2
	22.5° to 30°	65	12 x 42	12 x 66			91	18 x 60	18 x 63				2	2
	30° to 37.5°	66	12 x 39	12 x 72			81	12 x 45	18 x 66				2	2
	37.5° to 45°	71	12 x 39	18 x 69			76	12 x 39	18 x 72				2	2

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	76	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		99	12 x 45	12 x 45	Yes	Yes	Yes	2	2
7.5° to 15°	68	12 x 39	12 x 51				107	18 x 60	18 x 60				2	2
15° to 22.5°	65	12 x 42	12 x 57				102	18 x 60	18 x 60				2	2
22.5° to 30°	62	12 x 42	12 x 66				87	18 x 60	18 x 66				2	2
30° to 37.5°	64	12 x 42	18 x 63				77	12 x 45	18 x 69				2	3
37.5° to 45°	68	12 x 39	18 x 72				73	12 x 42	18 x 75				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	73	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		94	12 x 48	12 x 48	Yes	Yes	Yes	2	2
7.5° to 15°	65	12 x 42	12 x 54				100	18 x 60	18 x 60				2	2
15° to 22.5°	60	12 x 45	12 x 60				87	18 x 60	18 x 60				2	2
22.5° to 30°	58	12 x 45	12 x 69				79	18 x 60	18 x 69				2	3
30° to 37.5°	59	12 x 42	18 x 66				71	18 x 60	18 x 72				3	3
37.5° to 45°	63	12 x 42	18 x 75				67	12 x 42	18 x 78				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	69	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		90	12 x 51	12 x 51	Yes	Yes	Yes	2	2
7.5° to 15°	60	12 x 45	12 x 57				87	18 x 60	18 x 60				2	2
15° to 22.5°	53	12 x 45	12 x 60				75	18 x 60	18 x 60				2	3
22.5° to 30°	53	12 x 48	12 x 72				69	18 x 60	18 x 69				3	3
30° to 37.5°	55	12 x 45	18 x 69				65	18 x 60	18 x 75				3	3
37.5° to 45°	59	12 x 45	18 x 78				62	12 x 45	18 x 81				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	66	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		86	18 x 60	18 x 60	Yes	Yes	Yes	2	2
7.5° to 15°	55	12 x 48	12 x 60				76	18 x 60	18 x 60				2	3
15° to 22.5°	45	12 x 45	12 x 60				66	18 x 60	18 x 60				3	3
22.5° to 30°	47	12 x 48	12 x 72				60	18 x 60	18 x 69				3	NA
30° to 37.5°	51	18 x 60	18 x 69				60	18 x 60	18 x 75				3	NA
37.5° to 45°	55	12 x 48	18 x 81				57	12 x 48	18 x 84				3	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	48	12 x 48	12 x 60			67	18 x 60	18 x 60				3	3
	15° to 22.5°	39	12 x 45	12 x 60			58	18 x 60	18 x 60				3	3
	22.5° to 30°	40	12 x 48	12 x 72			53	18 x 60	18 x 69				NA	NA
	30° to 37.5°	46	18 x 60	18 x 72			55	18 x 60	18 x 78				NA	NA
	37.5° to 45°	51	18 x 60	18 x 84			53	18 x 60	18 x 87				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 54	12 x 54	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 48	12 x 60			59	18 x 60	18 x 60				3	3
	15° to 22.5°	34	12 x 45	12 x 60			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	12 x 48	12 x 72			46	18 x 60	18 x 69				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72			49	18 x 60	18 x 78				NA	NA
	37.5° to 45°	47	18 x 60	18 x 87			50	18 x 60	18 x 87				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 54	12 x 54	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	12 x 48	12 x 60			53	18 x 60	18 x 60				3	NA
	15° to 22.5°	30	12 x 45	12 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72			41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87			47	18 x 60	18 x 90				NA	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							20 Snow 5-Module	
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"			Array Size: 5 Module Panels		Ground Snow Load up to 20 psf

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	92	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	67	12 x 30	12 x 39			105	18 x 60	18 x 60				2	2
	15° to 22.5°	69	12 x 33	12 x 48			116	18 x 60	18 x 60				2	2
	22.5° to 30°	68	12 x 33	12 x 60			106	18 x 60	18 x 60				2	2
	30° to 37.5°	70	12 x 33	12 x 66			94	12 x 39	18 x 63				2	2
	37.5° to 45°	75	12 x 30	18 x 63			89	12 x 36	18 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	91	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	66	12 x 30	12 x 39			102	18 x 60	18 x 60				2	2
	15° to 22.5°	68	12 x 36	12 x 51			109	18 x 60	18 x 60				2	2
	22.5° to 30°	66	12 x 36	12 x 60			100	18 x 60	18 x 60				2	2
	30° to 37.5°	68	12 x 36	12 x 69			89	18 x 60	18 x 63				2	2
	37.5° to 45°	72	12 x 33	18 x 66			84	12 x 36	18 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	90	12 x 36	12 x 36	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 33	12 x 42			99	18 x 60	18 x 60				2	2
	15° to 22.5°	66	12 x 36	12 x 51			104	18 x 60	18 x 60				2	2
	22.5° to 30°	64	12 x 39	12 x 63			95	18 x 60	18 x 63				2	2
	30° to 37.5°	66	12 x 36	12 x 69			85	18 x 60	18 x 66				2	2
	37.5° to 45°	70	12 x 36	18 x 66			80	12 x 39	18 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	63	12 x 36	12 x 45			95	18 x 60	18 x 60				2	2
	15° to 22.5°	64	12 x 39	12 x 54			98	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 39	12 x 66			91	18 x 60	18 x 63				2	2
	30° to 37.5°	64	12 x 39	12 x 72			81	18 x 60	18 x 66				2	2
	37.5° to 45°	68	12 x 36	18 x 69			76	12 x 39	18 x 72				2	2

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 36	12 x 48			90	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 42	12 x 54			93	18 x 60	18 x 60				2	2
	22.5° to 30°	61	12 x 42	12 x 66			87	18 x 60	18 x 66				2	3
	30° to 37.5°	62	12 x 39	18 x 63			77	18 x 60	18 x 69				2	3
	37.5° to 45°	66	12 x 39	18 x 72			73	12 x 42	18 x 75				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	83	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	59	12 x 39	12 x 51			83	18 x 60	18 x 60				2	3
	15° to 22.5°	59	12 x 45	12 x 57			83	18 x 60	18 x 60				2	3
	22.5° to 30°	57	12 x 45	12 x 69			79	18 x 60	18 x 66				2	3
	30° to 37.5°	59	12 x 42	18 x 66			71	18 x 60	18 x 72				3	3
	37.5° to 45°	63	12 x 42	18 x 75			67	12 x 42	18 x 78				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	56	12 x 42	12 x 54			75	18 x 60	18 x 60				3	3
	15° to 22.5°	53	12 x 45	12 x 60			75	18 x 60	18 x 60				3	3
	22.5° to 30°	53	12 x 48	12 x 72			69	18 x 60	18 x 69				3	3
	30° to 37.5°	55	12 x 45	18 x 69			65	18 x 60	18 x 75				3	3
	37.5° to 45°	59	12 x 45	18 x 78			62	12 x 45	18 x 81				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	77	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	54	12 x 45	12 x 57			69	18 x 60	18 x 60				3	3
	15° to 22.5°	45	12 x 45	12 x 60			66	18 x 60	18 x 60				3	3
	22.5° to 30°	47	12 x 48	12 x 72			60	18 x 60	18 x 69				3	NA
	30° to 37.5°	51	18 x 60	18 x 69			60	18 x 60	18 x 75				3	NA
	37.5° to 45°	55	12 x 48	18 x 81			57	12 x 48	18 x 84				3	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	48	12 x 48	12 x 60			63	18 x 60	18 x 60				3	3
	15° to 22.5°	39	12 x 45	12 x 60			58	18 x 60	18 x 60				3	3
	22.5° to 30°	40	12 x 48	12 x 72			53	18 x 60	18 x 69				NA	NA
	30° to 37.5°	46	18 x 60	18 x 72			55	18 x 60	18 x 78				NA	NA
	37.5° to 45°	51	18 x 60	18 x 84			53	18 x 60	18 x 87				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	72	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 48	12 x 60			58	18 x 60	18 x 60				3	NA
	15° to 22.5°	34	12 x 45	12 x 60			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	12 x 48	12 x 72			46	18 x 60	18 x 69				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72			49	18 x 60	18 x 78				NA	NA
	37.5° to 45°	47	18 x 60	18 x 87			50	18 x 60	18 x 87				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 54	12 x 54	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	37	12 x 48	12 x 60			53	18 x 60	18 x 60				3	NA
	15° to 22.5°	30	12 x 45	12 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72			41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87			47	18 x 60	18 x 90				NA	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	89	12 x 33	12 x 33	Yes	Yes	Yes	2	2
	7.5° to 15°	65	12 x 30	12 x 39			101	18 x 60	18 x 60				2	2
	15° to 22.5°	64	12 x 33	12 x 48			98	18 x 60	18 x 60				2	2
	22.5° to 30°	63	12 x 33	12 x 57			96	18 x 60	18 x 60				2	2
	30° to 37.5°	65	12 x 30	12 x 63			94	18 x 60	18 x 63				2	2
	37.5° to 45°	69	12 x 30	12 x 72			89	12 x 36	18 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	88	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	64	12 x 30	12 x 39			98	18 x 60	18 x 60				2	2
	15° to 22.5°	62	12 x 33	12 x 48			93	18 x 60	18 x 60				2	2
	22.5° to 30°	62	12 x 36	12 x 60			91	18 x 60	18 x 60				2	2
	30° to 37.5°	64	12 x 33	12 x 66			89	18 x 60	18 x 63				2	2
	37.5° to 45°	68	12 x 33	18 x 63			84	12 x 36	18 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	87	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	62	12 x 33	12 x 42			94	18 x 60	18 x 60				2	2
	15° to 22.5°	61	12 x 36	12 x 51			89	18 x 60	18 x 60				2	2
	22.5° to 30°	60	12 x 36	12 x 60			87	18 x 60	18 x 60				2	3
	30° to 37.5°	62	12 x 36	12 x 69			85	18 x 60	18 x 66				2	2
	37.5° to 45°	66	12 x 33	18 x 66			80	12 x 39	18 x 72				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	85	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	61	12 x 33	12 x 45			90	18 x 60	18 x 60				2	3
	15° to 22.5°	59	12 x 39	12 x 51			85	18 x 60	18 x 60				2	3
	22.5° to 30°	59	12 x 39	12 x 63			82	18 x 60	18 x 60				2	3
	30° to 37.5°	60	12 x 36	12 x 69			81	18 x 60	18 x 66				2	3
	37.5° to 45°	64	12 x 36	18 x 66			76	12 x 39	18 x 72				2	3

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	84	18 x 60	18 x 60	Yes	Yes	Yes	2	2
	7.5° to 15°	60	12 x 36	12 x 45			86	18 x 60	18 x 60				2	3
	15° to 22.5°	58	12 x 39	12 x 54			81	18 x 60	18 x 60				2	3
	22.5° to 30°	57	12 x 39	12 x 66			78	18 x 60	18 x 63				2	3
	30° to 37.5°	59	12 x 39	12 x 72			77	18 x 60	18 x 69				2	3
	37.5° to 45°	63	12 x 36	18 x 69			73	12 x 42	18 x 75				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	57	12 x 39	12 x 51			79	18 x 60	18 x 60				2	3
	15° to 22.5°	55	12 x 42	12 x 57			74	18 x 60	18 x 60				3	3
	22.5° to 30°	54	12 x 45	12 x 69			71	18 x 60	18 x 63				3	3
	30° to 37.5°	56	12 x 42	18 x 63			71	18 x 60	18 x 72				3	3
	37.5° to 45°	60	12 x 42	18 x 72			67	12 x 42	18 x 78				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	78	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	55	12 x 42	12 x 54			72	18 x 60	18 x 60				3	3
	15° to 22.5°	53	12 x 45	12 x 60			67	18 x 60	18 x 60				3	3
	22.5° to 30°	52	18 x 60	12 x 72			64	18 x 60	18 x 66				3	3
	30° to 37.5°	53	12 x 45	18 x 66			65	18 x 60	18 x 75				3	3
	37.5° to 45°	57	12 x 45	18 x 78			62	18 x 60	18 x 81				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	53	12 x 45	12 x 57			66	18 x 60	18 x 60				3	3
	15° to 22.5°	45	12 x 45	12 x 60			61	18 x 60	18 x 60				3	3
	22.5° to 30°	47	18 x 60	12 x 72			58	18 x 60	18 x 66				3	NA
	30° to 37.5°	51	18 x 60	18 x 69			60	18 x 60	18 x 75				3	NA
	37.5° to 45°	54	12 x 48	18 x 81			57	18 x 60	18 x 84				3	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 48	12 x 48	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	48	12 x 48	12 x 60			61	18 x 60	18 x 60				3	3
	15° to 22.5°	39	12 x 45	12 x 60			56	18 x 60	18 x 60				3	NA
	22.5° to 30°	40	12 x 48	12 x 72			53	18 x 60	18 x 69				NA	NA
	30° to 37.5°	46	18 x 60	18 x 72			55	18 x 60	18 x 78				NA	NA
	37.5° to 45°	51	18 x 60	18 x 84			53	18 x 60	18 x 87				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 51	12 x 51	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	70	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	42	12 x 48	12 x 60			56	18 x 60	18 x 60				3	NA
	15° to 22.5°	34	12 x 45	12 x 60			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	35	12 x 48	12 x 72			46	18 x 60	18 x 69				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72			49	18 x 60	18 x 78				NA	NA
	37.5° to 45°	47	18 x 60	18 x 87			50	18 x 60	18 x 87				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	65	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	37	12 x 48	12 x 60			52	18 x 60	18 x 60				3	NA
	15° to 22.5°	30	12 x 45	12 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72			41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87			47	18 x 60	18 x 90				NA	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	82	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	60	12 x 30	12 x 36			87	18 x 60	18 x 60				2	3
	15° to 22.5°	59	12 x 30	12 x 45			85	18 x 60	18 x 60				2	3
	22.5° to 30°	59	12 x 33	12 x 54			84	18 x 60	18 x 60				2	3
	30° to 37.5°	61	12 x 30	12 x 63			90	18 x 60	18 x 60				2	2
	37.5° to 45°	65	12 x 30	12 x 69			89	18 x 60	18 x 69				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	81	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	59	12 x 30	12 x 39			84	18 x 60	18 x 60				2	3
	15° to 22.5°	58	12 x 33	12 x 48			81	18 x 60	18 x 60				2	3
	22.5° to 30°	58	12 x 33	12 x 57			81	18 x 60	18 x 60				2	3
	30° to 37.5°	60	12 x 33	12 x 63			86	18 x 60	18 x 63				2	3
	37.5° to 45°	63	12 x 30	12 x 72			84	18 x 60	18 x 69				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	80	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	58	12 x 30	12 x 39			81	18 x 60	18 x 60				2	3
	15° to 22.5°	57	12 x 33	12 x 48			78	18 x 60	18 x 60				2	3
	22.5° to 30°	57	12 x 36	12 x 60			77	18 x 60	18 x 60				2	3
	30° to 37.5°	58	12 x 33	12 x 66			82	18 x 60	18 x 63				2	3
	37.5° to 45°	62	12 x 33	18 x 63			80	18 x 60	18 x 72				2	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	12 x 30	12 x 30	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	79	18 x 60	18 x 60	Yes	Yes	Yes	2	3
	7.5° to 15°	57	12 x 33	12 x 42			78	18 x 60	18 x 60				2	3
	15° to 22.5°	56	12 x 36	12 x 51			75	18 x 60	18 x 60				3	3
	22.5° to 30°	55	12 x 36	12 x 60			74	18 x 60	18 x 60				3	3
	30° to 37.5°	57	12 x 36	12 x 69			78	18 x 60	18 x 66				2	3
	37.5° to 45°	61	12 x 33	18 x 66			76	18 x 60	18 x 72				2	3

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	60	12 x 33	12 x 33	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		78	18 x 60	18 x 60	Yes	Yes	Yes	2	3
7.5° to 15°	56	12 x 36	12 x 45				75	18 x 60	18 x 60				3	3
15° to 22.5°	55	12 x 39	12 x 51				72	18 x 60	18 x 60				3	3
22.5° to 30°	54	12 x 39	12 x 63				70	18 x 60	18 x 60				3	3
30° to 37.5°	56	12 x 39	12 x 72				75	18 x 60	18 x 66				3	3
37.5° to 45°	59	12 x 36	18 x 66				73	18 x 60	18 x 75				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	58	12 x 36	12 x 36	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	54	12 x 39	12 x 48				70	18 x 60	18 x 60				3	3
15° to 22.5°	52	12 x 42	12 x 54				66	18 x 60	18 x 60				3	3
22.5° to 30°	52	18 x 60	12 x 66				64	18 x 60	18 x 60				3	3
30° to 37.5°	53	12 x 42	18 x 63				68	18 x 60	18 x 69				3	3
37.5° to 45°	57	12 x 39	18 x 72				67	18 x 60	18 x 78				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	56	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	52	18 x 60	12 x 51				65	18 x 60	18 x 60				3	3
15° to 22.5°	50	18 x 60	12 x 57				61	18 x 60	18 x 60				3	3
22.5° to 30°	49	18 x 60	12 x 72				58	18 x 60	18 x 63				3	NA
30° to 37.5°	51	18 x 60	18 x 66				62	18 x 60	18 x 72				3	3
37.5° to 45°	54	12 x 42	18 x 75				62	18 x 60	18 x 81				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	54	12 x 42	12 x 42	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		71	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	50	18 x 60	12 x 57				60	18 x 60	18 x 60				3	3
15° to 22.5°	45	18 x 60	12 x 60				56	18 x 60	18 x 60				3	NA
22.5° to 30°	47	18 x 60	12 x 72				53	18 x 60	18 x 66				3	NA
30° to 37.5°	49	18 x 60	18 x 69				57	18 x 60	18 x 75				3	NA
37.5° to 45°	52	18 x 60	18 x 78				57	18 x 60	18 x 84				3	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	53	12 x 45	12 x 45	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			67	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	48	18 x 60	18 x 60					55	18 x 60	18 x 60				3	NA
	15° to 22.5°	39	12 x 45	12 x 60					51	18 x 60	18 x 60				3	NA
	22.5° to 30°	40	18 x 60	12 x 72					49	18 x 60	18 x 66				NA	NA
	30° to 37.5°	46	18 x 60	18 x 72					52	18 x 60	18 x 75				NA	NA
	37.5° to 45°	50	18 x 60	18 x 84					53	18 x 60	18 x 87				NA	NA

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	51	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			63	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	42	18 x 60	12 x 60					51	18 x 60	18 x 60				3	NA
	15° to 22.5°	34	12 x 45	12 x 60					47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	12 x 48	12 x 72					45	18 x 60	18 x 69				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72					47	18 x 60	18 x 78				NA	NA
	37.5° to 45°	47	18 x 60	18 x 87					50	18 x 60	18 x 87				NA	NA

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	37	12 x 48	12 x 60					48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	12 x 45	12 x 60					43	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	12 x 48	12 x 72					41	18 x 60	18 x 69				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72					43	18 x 60	18 x 78				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87					47	18 x 60	18 x 90				NA	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	56	12 x 30	12 x 39			76	18 x 60	18 x 60				3	3
	15° to 22.5°	56	12 x 30	12 x 45			75	18 x 60	18 x 60				3	3
	22.5° to 30°	56	12 x 30	12 x 54			75	18 x 60	18 x 60				3	3
	30° to 37.5°	58	12 x 30	12 x 60			80	18 x 60	18 x 60				2	3
	37.5° to 45°	61	12 x 30	12 x 69			89	18 x 60	18 x 69				2	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	75	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	56	12 x 30	12 x 39			74	18 x 60	18 x 60				3	3
	15° to 22.5°	55	12 x 30	12 x 45			72	18 x 60	18 x 60				3	3
	22.5° to 30°	55	12 x 33	12 x 57			72	18 x 60	18 x 60				3	3
	30° to 37.5°	57	12 x 30	12 x 63			77	18 x 60	18 x 60				2	3
	37.5° to 45°	60	12 x 30	12 x 72			84	18 x 60	18 x 69				2	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	55	12 x 30	12 x 39			72	18 x 60	18 x 60				3	3
	15° to 22.5°	54	12 x 33	12 x 48			70	18 x 60	18 x 60				3	3
	22.5° to 30°	54	12 x 33	12 x 57			69	18 x 60	18 x 60				3	3
	30° to 37.5°	55	12 x 33	12 x 66			74	18 x 60	18 x 60				3	3
	37.5° to 45°	59	12 x 33	18 x 63			80	18 x 60	18 x 72				2	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	74	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	54	12 x 33	12 x 42			69	18 x 60	18 x 60				3	3
	15° to 22.5°	53	12 x 36	12 x 48			67	18 x 60	18 x 60				3	3
	22.5° to 30°	53	12 x 36	12 x 60			66	18 x 60	18 x 60				3	3
	30° to 37.5°	54	12 x 36	12 x 66			71	18 x 60	18 x 63				3	3
	37.5° to 45°	58	12 x 33	18 x 63			76	18 x 60	18 x 72				3	3

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	73	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	53	12 x 33	12 x 42			67	18 x 60	18 x 60				3	3
	15° to 22.5°	52	18 x 60	12 x 51			64	18 x 60	18 x 60				3	3
	22.5° to 30°	51	18 x 60	12 x 63			64	18 x 60	18 x 60				3	3
	30° to 37.5°	53	12 x 36	12 x 69			68	18 x 60	18 x 63				3	3
	37.5° to 45°	57	12 x 36	18 x 66			73	18 x 60	18 x 75				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	12 x 36	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	71	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	51	18 x 60	12 x 48			63	18 x 60	18 x 60				3	3
	15° to 22.5°	50	18 x 60	12 x 54			60	18 x 60	18 x 60				3	3
	22.5° to 30°	49	18 x 60	12 x 66			59	18 x 60	18 x 60				3	NA
	30° to 37.5°	51	18 x 60	18 x 60			62	18 x 60	18 x 66				3	3
	37.5° to 45°	54	12 x 39	18 x 69			67	18 x 60	18 x 78				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 39	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	67	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	49	18 x 60	18 x 60			58	18 x 60	18 x 60				3	NA
	15° to 22.5°	48	18 x 60	12 x 57			55	18 x 60	18 x 60				3	NA
	22.5° to 30°	47	18 x 60	12 x 69			54	18 x 60	18 x 60				3	NA
	30° to 37.5°	49	18 x 60	18 x 63			57	18 x 60	18 x 69				3	NA
	37.5° to 45°	52	18 x 60	18 x 75			62	18 x 60	18 x 81				3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	64	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	48	18 x 60	18 x 60			54	18 x 60	18 x 60				3	NA
	15° to 22.5°	45	18 x 60	18 x 60			51	18 x 60	18 x 60				3	NA
	22.5° to 30°	45	18 x 60	18 x 60			50	18 x 60	18 x 63				NA	NA
	30° to 37.5°	47	18 x 60	18 x 69			53	18 x 60	18 x 72				3	NA
	37.5° to 45°	50	18 x 60	18 x 78			57	18 x 60	18 x 84				3	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			60	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	46	18 x 60	18 x 60					51	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	12 x 60					47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	12 x 72					46	18 x 60	18 x 63				NA	NA
	30° to 37.5°	45	18 x 60	18 x 72					48	18 x 60	18 x 72				NA	NA
	37.5° to 45°	48	18 x 60	18 x 81					53	18 x 60	18 x 87				NA	NA

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			57	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	18 x 60	18 x 60					47	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	12 x 45	12 x 60					44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	12 x 72					42	18 x 60	18 x 66				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72					45	18 x 60	18 x 75				NA	NA
	37.5° to 45°	46	18 x 60	18 x 84					50	18 x 60	18 x 87				NA	NA

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			54	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	12 x 60					44	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	12 x 45	12 x 60					41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	12 x 72					39	18 x 60	18 x 66				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72					41	18 x 60	18 x 75				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87					47	18 x 60	18 x 90				NA	NA

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	53	12 x 30	12 x 39			68	18 x 60	18 x 60				3	3
	15° to 22.5°	53	12 x 30	12 x 45			67	18 x 60	18 x 60				3	3
	22.5° to 30°	53	12 x 30	12 x 51			68	18 x 60	18 x 60				3	3
	30° to 37.5°	55	12 x 30	12 x 60			72	18 x 60	18 x 60				3	3
	37.5° to 45°	58	12 x 30	12 x 66			81	18 x 60	18 x 66				2	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	52	12 x 30	12 x 39			66	18 x 60	18 x 60				3	3
	15° to 22.5°	52	18 x 60	12 x 45			65	18 x 60	18 x 60				3	3
	22.5° to 30°	52	18 x 60	12 x 54			65	18 x 60	18 x 60				3	3
	30° to 37.5°	54	12 x 30	12 x 60			70	18 x 60	18 x 60				3	3
	37.5° to 45°	57	12 x 30	12 x 69			78	18 x 60	18 x 66				2	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	52	18 x 60	12 x 39			64	18 x 60	18 x 60				3	3
	15° to 22.5°	51	18 x 60	12 x 48			63	18 x 60	18 x 60				3	3
	22.5° to 30°	51	18 x 60	12 x 57			63	18 x 60	18 x 60				3	3
	30° to 37.5°	53	12 x 33	12 x 63			67	18 x 60	18 x 60				3	3
	37.5° to 45°	56	12 x 30	12 x 72			76	18 x 60	18 x 69				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	68	18 x 60	18 x 60	Yes	Yes	Yes	3	3
	7.5° to 15°	51	18 x 60	12 x 42			62	18 x 60	18 x 60				3	3
	15° to 22.5°	50	18 x 60	12 x 48			61	18 x 60	18 x 60				3	3
	22.5° to 30°	50	18 x 60	12 x 60			60	18 x 60	18 x 60				3	3
	30° to 37.5°	52	18 x 60	12 x 66			65	18 x 60	18 x 60				3	3
	37.5° to 45°	55	12 x 33	18 x 63			73	18 x 60	18 x 72				3	3

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	53	12 x 30	12 x 39	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		66	18 x 60	18 x 60	Yes	Yes	Yes	3	3
7.5° to 15°	50	18 x 60	18 x 60			60	18 x 60	18 x 60	3				NA	
15° to 22.5°	49	18 x 60	12 x 51			59	18 x 60	18 x 60	3				NA	
22.5° to 30°	49	18 x 60	12 x 60			58	18 x 60	18 x 60	3				NA	
30° to 37.5°	51	18 x 60	12 x 69			62	18 x 60	18 x 63	3				3	
37.5° to 45°	54	12 x 33	18 x 66			70	18 x 60	18 x 72	3				3	

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	51	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		63	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
7.5° to 15°	49	18 x 60	18 x 60			57	18 x 60	18 x 60	3				NA	
15° to 22.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60	3				NA	
22.5° to 30°	47	18 x 60	18 x 60			54	18 x 60	18 x 60	3				NA	
30° to 37.5°	49	18 x 60	12 x 72			57	18 x 60	18 x 66	3				NA	
37.5° to 45°	52	18 x 60	18 x 69			65	18 x 60	18 x 75	3				3	

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		60	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
7.5° to 15°	47	18 x 60	18 x 60			53	18 x 60	18 x 60	3				NA	
15° to 22.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60	3				NA	
22.5° to 30°	46	18 x 60	18 x 60			50	18 x 60	18 x 60	NA				NA	
30° to 37.5°	47	18 x 60	18 x 63			53	18 x 60	18 x 66	3				NA	
37.5° to 45°	50	18 x 60	18 x 72			60	18 x 60	18 x 78	3				NA	

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle	Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		57	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
7.5° to 15°	46	18 x 60	18 x 60			50	18 x 60	18 x 60	NA				NA	
15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60	NA				NA	
22.5° to 30°	44	18 x 60	18 x 60			46	18 x 60	18 x 60	NA				NA	
30° to 37.5°	45	18 x 60	18 x 66			49	18 x 60	18 x 69	NA				NA	
37.5° to 45°	48	18 x 60	18 x 78			56	18 x 60	18 x 81	NA				NA	

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	48	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		55	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	44	18 x 60	18 x 60				47	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60				44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	18 x 60				43	18 x 60	18 x 63				NA	NA
	30° to 37.5°	44	18 x 60	18 x 69				45	18 x 60	18 x 72				NA	NA
	37.5° to 45°	46	18 x 60	18 x 81				52	18 x 60	18 x 84				NA	NA

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	46	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	18 x 60	18 x 60				44	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	12 x 60				41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	12 x 72				40	18 x 60	18 x 63				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72				42	18 x 60	18 x 72				NA	NA
	37.5° to 45°	45	18 x 60	18 x 84				48	18 x 60	18 x 87				NA	NA

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		49	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	12 x 45	12 x 60				38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	12 x 72				37	18 x 60	18 x 66				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72				39	18 x 60	18 x 75				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87				45	18 x 60	18 x 87				NA	NA

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				3	NA
	15° to 22.5°	50	18 x 60	12 x 45			61	18 x 60	18 x 60				3	NA
	22.5° to 30°	51	18 x 60	12 x 51			61	18 x 60	18 x 60				3	3
	30° to 37.5°	52	12 x 30	12 x 57			66	18 x 60	18 x 60				3	3
	37.5° to 45°	56	12 x 30	12 x 66			74	18 x 60	18 x 63				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	50	18 x 60	18 x 60			60	18 x 60	18 x 60				3	NA
	15° to 22.5°	50	18 x 60	18 x 60			59	18 x 60	18 x 60				3	NA
	22.5° to 30°	50	18 x 60	12 x 54			59	18 x 60	18 x 60				3	3
	30° to 37.5°	52	18 x 60	12 x 60			64	18 x 60	18 x 60				3	3
	37.5° to 45°	55	12 x 30	12 x 69			72	18 x 60	18 x 63				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	49	18 x 60	18 x 60			58	18 x 60	18 x 60				3	NA
	15° to 22.5°	49	18 x 60	18 x 60			57	18 x 60	18 x 60				3	NA
	22.5° to 30°	49	18 x 60	12 x 54			57	18 x 60	18 x 60				3	NA
	30° to 37.5°	51	18 x 60	12 x 63			62	18 x 60	18 x 60				3	3
	37.5° to 45°	54	12 x 30	12 x 72			69	18 x 60	18 x 66				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	48	18 x 60	18 x 60			56	18 x 60	18 x 60				3	NA
	15° to 22.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				3	NA
	22.5° to 30°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				3	NA
	30° to 37.5°	50	18 x 60	12 x 63			59	18 x 60	18 x 60				3	3
	37.5° to 45°	53	12 x 33	18 x 60			67	18 x 60	18 x 69				3	3

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	59	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				3	NA
	15° to 22.5°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	NA
	22.5° to 30°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	NA
	30° to 37.5°	49	18 x 60	12 x 66			57	18 x 60	18 x 60				3	NA
	37.5° to 45°	52	18 x 60	18 x 63			65	18 x 60	18 x 69				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	57	18 x 60	18 x 60	Yes	Yes	Yes	3	NA
	7.5° to 15°	46	18 x 60	18 x 60			52	18 x 60	18 x 60				NA	NA
	15° to 22.5°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				NA	NA
	22.5° to 30°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				NA	NA
	30° to 37.5°	47	18 x 60	18 x 60			53	18 x 60	18 x 63				3	NA
	37.5° to 45°	50	18 x 60	18 x 69			60	18 x 60	18 x 75				3	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	55	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				NA	NA
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	45	18 x 60	18 x 63			50	18 x 60	18 x 66				NA	NA
	37.5° to 45°	48	18 x 60	18 x 72			56	18 x 60	18 x 78				3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	30° to 37.5°	44	18 x 60	18 x 66			46	18 x 60	18 x 66				NA	NA
	37.5° to 45°	47	18 x 60	18 x 75			52	18 x 60	18 x 81				NA	NA

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	46	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	50	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	43	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	30° to 37.5°	42	18 x 60	18 x 69			43	18 x 60	18 x 69				NA	NA
	37.5° to 45°	45	18 x 60	18 x 78			49	18 x 60	18 x 81				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	48	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60			37	18 x 60	18 x 63				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72			40	18 x 60	18 x 72				NA	NA
	37.5° to 45°	43	18 x 60	18 x 84			45	18 x 60	18 x 84				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	45	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	12 x 60			36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	12 x 72			35	18 x 60	18 x 63				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72			37	18 x 60	18 x 72				NA	NA
	37.5° to 45°	42	18 x 60	18 x 87			42	18 x 60	18 x 87				NA	NA

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				NA	NA
	15° to 22.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				3	NA
	22.5° to 30°	48	18 x 60	18 x 60			56	18 x 60	18 x 60				3	NA
	30° to 37.5°	50	18 x 60	12 x 57			61	18 x 60	18 x 60				3	3
	37.5° to 45°	53	12 x 30	12 x 63			68	18 x 60	18 x 60				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				NA	NA
	15° to 22.5°	47	18 x 60	18 x 60			54	18 x 60	18 x 60				3	NA
	22.5° to 30°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				3	NA
	30° to 37.5°	49	18 x 60	12 x 60			59	18 x 60	18 x 60				3	3
	37.5° to 45°	52	12 x 30	12 x 66			66	18 x 60	18 x 63				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				NA	NA
	15° to 22.5°	47	18 x 60	18 x 60			52	18 x 60	18 x 60				3	NA
	22.5° to 30°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				3	NA
	30° to 37.5°	49	18 x 60	18 x 60			57	18 x 60	18 x 60				3	NA
	37.5° to 45°	52	18 x 60	18 x 60			64	18 x 60	18 x 63				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	46	18 x 60	18 x 60			52	18 x 60	18 x 60				NA	NA
	15° to 22.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				NA	NA
	22.5° to 30°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	NA
	30° to 37.5°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				3	NA
	37.5° to 45°	51	18 x 60	18 x 60			62	18 x 60	18 x 66				3	3

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	46	18 x 60	18 x 60					50	18 x 60	18 x 60				NA	NA
	15° to 22.5°	45	18 x 60	18 x 60					49	18 x 60	18 x 60				NA	NA
	22.5° to 30°	45	18 x 60	18 x 60					50	18 x 60	18 x 60				NA	NA
	30° to 37.5°	47	18 x 60	18 x 60					53	18 x 60	18 x 60				3	NA
	37.5° to 45°	50	18 x 60	18 x 63					60	18 x 60	18 x 69				3	NA

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	47	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			52	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	45	18 x 60	18 x 60					48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	44	18 x 60	18 x 60					47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	44	18 x 60	18 x 60					46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	46	18 x 60	18 x 60					50	18 x 60	18 x 60				NA	NA
	37.5° to 45°	48	18 x 60	18 x 66					56	18 x 60	18 x 72				3	NA

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	46	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			50	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	43	18 x 60	18 x 60					45	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	18 x 60	18 x 60					44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	43	18 x 60	18 x 60					43	18 x 60	18 x 60				NA	NA
	30° to 37.5°	44	18 x 60	18 x 63					46	18 x 60	18 x 63				NA	NA
	37.5° to 45°	47	18 x 60	18 x 72					53	18 x 60	18 x 75				NA	NA

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	45	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			48	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	18 x 60	18 x 60					43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	18 x 60	18 x 60					41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	18 x 60					41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	43	18 x 60	18 x 66					43	18 x 60	18 x 66				NA	NA
	37.5° to 45°	45	18 x 60	18 x 75					49	18 x 60	18 x 78				NA	NA

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			46	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60					41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60					39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	18 x 60					38	18 x 60	18 x 60				NA	NA
	30° to 37.5°	41	18 x 60	18 x 69					40	18 x 60	18 x 66				NA	NA
	37.5° to 45°	44	18 x 60	18 x 78					46	18 x 60	18 x 81				NA	NA

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			44	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60					38	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60					36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60					35	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	18 x 72					38	18 x 60	18 x 69				NA	NA
	37.5° to 45°	42	18 x 60	18 x 81					43	18 x 60	18 x 81				NA	NA

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel				
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60					36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60					34	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60					33	18 x 60	18 x 63				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72					35	18 x 60	18 x 72				NA	NA
	37.5° to 45°	41	18 x 60	18 x 84					40	18 x 60	18 x 84				NA	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	46	18 x 60	18 x 60			50	18 x 60	18 x 60				NA	NA
	22.5° to 30°	47	18 x 60	18 x 60			52	18 x 60	18 x 60				3	NA
	30° to 37.5°	48	18 x 60	18 x 60			56	18 x 60	18 x 60				3	NA
	37.5° to 45°	51	18 x 60	18 x 60			63	18 x 60	18 x 60				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	45	18 x 60	18 x 60			50	18 x 60	18 x 60				NA	NA
	22.5° to 30°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	NA
	30° to 37.5°	48	18 x 60	18 x 60			54	18 x 60	18 x 60				3	NA
	37.5° to 45°	50	18 x 60	18 x 60			61	18 x 60	18 x 60				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	22.5° to 30°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				NA	NA
	30° to 37.5°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				3	NA
	37.5° to 45°	50	18 x 60	18 x 60			59	18 x 60	18 x 63				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	15° to 22.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	22.5° to 30°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	30° to 37.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	NA
	37.5° to 45°	49	18 x 60	18 x 60			58	18 x 60	18 x 63				3	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Array Size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	15° to 22.5°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	22.5° to 30°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	45	18 x 60	18 x 60			50	18 x 60	18 x 60				3	NA
	37.5° to 45°	48	18 x 60	18 x 60			56	18 x 60	18 x 66				3	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	47	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	22.5° to 30°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	30° to 37.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	37.5° to 45°	47	18 x 60	18 x 66			53	18 x 60	18 x 69				3	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	44	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	46	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	18 x 60	18 x 60			42	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	45	18 x 60	18 x 69			50	18 x 60	18 x 72				NA	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	43	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	44	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	30° to 37.5°	41	18 x 60	18 x 63			41	18 x 60	18 x 63				NA	NA
	37.5° to 45°	44	18 x 60	18 x 72			46	18 x 60	18 x 75				NA	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			43	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60					38	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60					36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	18 x 60					36	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	18 x 66					38	18 x 60	18 x 66				NA	NA
	37.5° to 45°	43	18 x 60	18 x 78					44	18 x 60	18 x 78				NA	NA

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	41	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			41	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60					36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60					34	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60					34	18 x 60	18 x 60				NA	NA
	30° to 37.5°	39	18 x 60	18 x 69					36	18 x 60	18 x 69				NA	NA
	37.5° to 45°	41	18 x 60	18 x 81					41	18 x 60	18 x 81				NA	NA

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F				
	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60					34	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60					32	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60					32	18 x 60	18 x 60				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72					34	18 x 60	18 x 69				NA	NA
	37.5° to 45°	40	18 x 60	18 x 84					38	18 x 60	18 x 81				NA	NA

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	43	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	30° to 37.5°	47	18 x 60	18 x 60			52	18 x 60	18 x 60				3	NA
	37.5° to 45°	49	18 x 60	18 x 60			58	18 x 60	18 x 60				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	43	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	30° to 37.5°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	NA
	37.5° to 45°	49	18 x 60	18 x 60			57	18 x 60	18 x 60				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	43	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	22.5° to 30°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	30° to 37.5°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	NA
	37.5° to 45°	48	18 x 60	18 x 60			55	18 x 60	18 x 60				3	NA

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	43	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	22.5° to 30°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	30° to 37.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA
	37.5° to 45°	47	18 x 60	18 x 60			54	18 x 60	18 x 63				3	NA

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	42	18 x 60	18 x 60				43	18 x 60	18 x 60				NA	NA
	15° to 22.5°	42	18 x 60	18 x 60				43	18 x 60	18 x 60				NA	NA
	22.5° to 30°	42	18 x 60	18 x 60				43	18 x 60	18 x 60				NA	NA
	30° to 37.5°	44	18 x 60	18 x 60				47	18 x 60	18 x 60				NA	NA
	37.5° to 45°	47	18 x 60	18 x 60				52	18 x 60	18 x 63				3	NA

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	43	18 x 60	18 x 60				44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	45	18 x 60	18 x 66				50	18 x 60	18 x 66				NA	NA

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		42	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60				39	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60				39	18 x 60	18 x 60				NA	NA
	22.5° to 30°	40	18 x 60	18 x 60				39	18 x 60	18 x 60				NA	NA
	30° to 37.5°	41	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
	37.5° to 45°	44	18 x 60	18 x 69				47	18 x 60	18 x 72				NA	NA

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
	0° to 7.5°	42	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		41	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	40	18 x 60	18 x 60				38	18 x 60	18 x 60				NA	NA
	15° to 22.5°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
	30° to 37.5°	40	18 x 60	18 x 63				39	18 x 60	18 x 63				NA	NA
	37.5° to 45°	43	18 x 60	18 x 72				44	18 x 60	18 x 72				NA	NA

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	41	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60						40	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	15° to 22.5°	38	18 x 60	18 x 60						36	18 x 60	18 x 60				NA	NA
	22.5° to 30°	38	18 x 60	18 x 60						35	18 x 60	18 x 60				NA	NA
	30° to 37.5°	39	18 x 60	18 x 66						34	18 x 60	18 x 60				NA	NA
	37.5° to 45°	42	18 x 60	18 x 75						36	18 x 60	18 x 63				NA	NA
										41	18 x 60	18 x 75				NA	NA

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F	NA	NA
	7.5° to 15°	38	18 x 60	18 x 60						38	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	15° to 22.5°	34	18 x 60	18 x 60						34	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60						33	18 x 60	18 x 60				NA	NA
	30° to 37.5°	38	18 x 60	18 x 69						32	18 x 60	18 x 60				NA	NA
	37.5° to 45°	40	18 x 60	18 x 81						34	18 x 60	18 x 66				NA	NA
										39	18 x 60	18 x 78				NA	NA

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules		
Tilt Angle	0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	A	C	D	Max Pipe Span (PS, in)	Short Leg	Tall Leg	A	E	F	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60						37	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	15° to 22.5°	30	18 x 60	18 x 60						32	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60						31	18 x 60	18 x 60				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72						30	18 x 60	18 x 60				NA	NA
	37.5° to 45°	39	18 x 60	18 x 84						32	18 x 60	18 x 69				NA	NA
										37	18 x 60	18 x 81				NA	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	15° to 22.5°	42	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	30° to 37.5°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				3	NA
	37.5° to 45°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				3	NA

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	15° to 22.5°	42	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	30° to 37.5°	44	18 x 60	18 x 60			47	18 x 60	18 x 60				NA	NA
	37.5° to 45°	47	18 x 60	18 x 60			53	18 x 60	18 x 60				3	NA

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	15° to 22.5°	42	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	42	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	30° to 37.5°	44	18 x 60	18 x 60			46	18 x 60	18 x 60				NA	NA
	37.5° to 45°	47	18 x 60	18 x 60			52	18 x 60	18 x 60				3	NA

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	15° to 22.5°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	22.5° to 30°	42	18 x 60	18 x 60			42	18 x 60	18 x 60				NA	NA
	30° to 37.5°	43	18 x 60	18 x 60			45	18 x 60	18 x 60				NA	NA
	37.5° to 45°	46	18 x 60	18 x 60			51	18 x 60	18 x 60				3	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	41	18 x 60	18 x 60				40	18 x 60	18 x 60				NA	NA
15° to 22.5°	41	18 x 60	18 x 60				40	18 x 60	18 x 60				NA	NA
22.5° to 30°	41	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
30° to 37.5°	43	18 x 60	18 x 60				44	18 x 60	18 x 60				NA	NA
37.5° to 45°	45	18 x 60	18 x 60				49	18 x 60	18 x 63				NA	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	40	18 x 60	18 x 60				39	18 x 60	18 x 60				NA	NA
15° to 22.5°	40	18 x 60	18 x 60				38	18 x 60	18 x 60				NA	NA
22.5° to 30°	40	18 x 60	18 x 60				39	18 x 60	18 x 60				NA	NA
30° to 37.5°	42	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
37.5° to 45°	44	18 x 60	18 x 63				47	18 x 60	18 x 66				NA	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	39	18 x 60	18 x 60				37	18 x 60	18 x 60				NA	NA
15° to 22.5°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
22.5° to 30°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
30° to 37.5°	40	18 x 60	18 x 60				39	18 x 60	18 x 60				NA	NA
37.5° to 45°	43	18 x 60	18 x 69				44	18 x 60	18 x 69				NA	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	40	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		39	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	38	18 x 60	18 x 60				35	18 x 60	18 x 60				NA	NA
15° to 22.5°	38	18 x 60	18 x 60				35	18 x 60	18 x 60				NA	NA
22.5° to 30°	38	18 x 60	18 x 60				34	18 x 60	18 x 60				NA	NA
30° to 37.5°	39	18 x 60	18 x 63				37	18 x 60	18 x 60				NA	NA
37.5° to 45°	42	18 x 60	18 x 72				42	18 x 60	18 x 72				NA	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		37	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	38	18 x 60	18 x 60				34	18 x 60	18 x 60				NA	NA
15° to 22.5°	37	18 x 60	18 x 60				33	18 x 60	18 x 60				NA	NA
22.5° to 30°	37	18 x 60	18 x 60				33	18 x 60	18 x 60				NA	NA
30° to 37.5°	38	18 x 60	18 x 66				35	18 x 60	18 x 63				NA	NA
37.5° to 45°	41	18 x 60	18 x 75				39	18 x 60	18 x 75				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	39	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	37	18 x 60	18 x 60				32	18 x 60	18 x 60				NA	NA
15° to 22.5°	34	18 x 60	18 x 60				31	18 x 60	18 x 60				NA	NA
22.5° to 30°	35	18 x 60	18 x 60				31	18 x 60	18 x 60				NA	NA
30° to 37.5°	37	18 x 60	18 x 69				33	18 x 60	18 x 66				NA	NA
37.5° to 45°	39	18 x 60	18 x 78				37	18 x 60	18 x 78				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		35	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	36	18 x 60	18 x 60				31	18 x 60	18 x 60				NA	NA
15° to 22.5°	30	18 x 60	18 x 60				29	18 x 60	18 x 60				NA	NA
22.5° to 30°	31	18 x 60	18 x 60				29	18 x 60	18 x 60				NA	NA
30° to 37.5°	35	18 x 60	18 x 72				31	18 x 60	18 x 66				NA	NA
37.5° to 45°	38	18 x 60	18 x 81				35	18 x 60	18 x 78				NA	NA

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	NA

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	18 x 60			41	18 x 60	18 x 60				NA	NA
	30° to 37.5°	43	18 x 60	18 x 60			44	18 x 60	18 x 60				NA	NA
	37.5° to 45°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	NA

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	18 x 60			40	18 x 60	18 x 60				NA	NA
	30° to 37.5°	43	18 x 60	18 x 60			43	18 x 60	18 x 60				NA	NA
	37.5° to 45°	45	18 x 60	18 x 60			49	18 x 60	18 x 60				3	NA

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	39	18 x 60	18 x 60			36	18 x 60	18 x 60				NA	NA
	15° to 22.5°	40	18 x 60	18 x 60			38	18 x 60	18 x 60				NA	NA
	22.5° to 30°	41	18 x 60	18 x 60			39	18 x 60	18 x 60				NA	NA
	30° to 37.5°	42	18 x 60	18 x 60			42	18 x 60	18 x 60				NA	NA
	37.5° to 45°	45	18 x 60	18 x 60			48	18 x 60	18 x 60				NA	NA

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
15° to 22.5°	40	18 x 60	18 x 60				38	18 x 60	18 x 60				NA	NA
22.5° to 30°	40	18 x 60	18 x 60				38	18 x 60	18 x 60				NA	NA
30° to 37.5°	41	18 x 60	18 x 60				41	18 x 60	18 x 60				NA	NA
37.5° to 45°	44	18 x 60	18 x 60				47	18 x 60	18 x 60				NA	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
15° to 22.5°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
22.5° to 30°	39	18 x 60	18 x 60				36	18 x 60	18 x 60				NA	NA
30° to 37.5°	40	18 x 60	18 x 60				39	18 x 60	18 x 60				NA	NA
37.5° to 45°	43	18 x 60	18 x 63				44	18 x 60	18 x 63				NA	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	38	18 x 60	18 x 60				35	18 x 60	18 x 60				NA	NA
15° to 22.5°	38	18 x 60	18 x 60				34	18 x 60	18 x 60				NA	NA
22.5° to 30°	38	18 x 60	18 x 60				35	18 x 60	18 x 60				NA	NA
30° to 37.5°	39	18 x 60	18 x 60				37	18 x 60	18 x 60				NA	NA
37.5° to 45°	42	18 x 60	18 x 66				42	18 x 60	18 x 66				NA	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules
Tilt Angle		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay		36	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
7.5° to 15°	37	18 x 60	18 x 60				33	18 x 60	18 x 60				NA	NA
15° to 22.5°	37	18 x 60	18 x 60				33	18 x 60	18 x 60				NA	NA
22.5° to 30°	37	18 x 60	18 x 60				33	18 x 60	18 x 60				NA	NA
30° to 37.5°	38	18 x 60	18 x 63				35	18 x 60	18 x 60				NA	NA
37.5° to 45°	41	18 x 60	18 x 72				40	18 x 60	18 x 69				NA	NA

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 1.5"	Pipe Beam Diameter: 1.5"	Array Size: 5 Module Panels		

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			35	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	37	18 x 60	18 x 60					32	18 x 60	18 x 60				NA	NA
	15° to 22.5°	36	18 x 60	18 x 60					31	18 x 60	18 x 60				NA	NA
	22.5° to 30°	36	18 x 60	18 x 60					31	18 x 60	18 x 60				NA	NA
	30° to 37.5°	37	18 x 60	18 x 66					33	18 x 60	18 x 63				NA	NA
	37.5° to 45°	40	18 x 60	18 x 75					38	18 x 60	18 x 72				NA	NA

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle	0° to 7.5°	38	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			34	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	36	18 x 60	18 x 60					31	18 x 60	18 x 60				NA	NA
	15° to 22.5°	34	18 x 60	18 x 60					30	18 x 60	18 x 60				NA	NA
	22.5° to 30°	35	18 x 60	18 x 60					29	18 x 60	18 x 60				NA	NA
	30° to 37.5°	36	18 x 60	18 x 69					31	18 x 60	18 x 63				NA	NA
	37.5° to 45°	39	18 x 60	18 x 78					36	18 x 60	18 x 75				NA	NA

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size (in)		Required Braces			72"x42" Modules	84"x42" Modules	
Tilt Angle	0° to 7.5°	37	18 x 60	18 x 60	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay			33	18 x 60	18 x 60	Yes	Yes	Yes	NA	NA
	7.5° to 15°	35	18 x 60	18 x 60					29	18 x 60	18 x 60				NA	NA
	15° to 22.5°	30	18 x 60	18 x 60					28	18 x 60	18 x 60				NA	NA
	22.5° to 30°	31	18 x 60	18 x 60					28	18 x 60	18 x 60				NA	NA
	30° to 37.5°	35	18 x 60	18 x 72					30	18 x 60	18 x 66				NA	NA
	37.5° to 45°	37	18 x 60	18 x 81					34	18 x 60	18 x 78				NA	NA

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	108	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	95	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	89	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	85	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	87	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	105	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	90	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	85	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	81	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	101	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	87	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	78	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	97	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	83	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	78	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	74	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	94	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	80	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	75	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	71	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	74	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	69	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf	

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	95	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	88	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	88	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	85	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	87	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	94	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	86	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	85	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	81	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	92	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	83	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	78	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	81	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	78	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	74	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	78	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	75	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	71	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	74	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	69	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
							Ground Snow Load up to 10 psf

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 20 psf		
		Pipe Beam Diameter: 1.5"					

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	77	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	80	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	78	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	75	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	77	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	76	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	78	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	74	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	75	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	74	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	72	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 20 psf	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	75	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	75	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	69	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	65	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	66	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
					Ground Snow Load up to 30 psf		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	66	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	64	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	70	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	60	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
					Ground Snow Load up to 50 psf		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
					Ground Snow Load up to 50 psf		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
					Ground Snow Load up to 60 psf		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	67	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	60	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	58	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	63	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

70 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	61	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	60	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	59	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	58	Yes	Yes			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	56	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	56	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	55	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	48	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
					Ground Snow Load up to 100 psf		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	54	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	54	Yes	Yes			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	48	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 110 psf			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	48	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	51	Yes	Yes			N/A	N/A	N/A				2	2	

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			Ground Snow Load up to 120 psf	
		Pipe Beam Diameter: 1.5"						

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	93	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	82	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	77	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	78	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	88	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	75	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	84	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	82	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	76	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	76	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	73	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	74	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	70	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	70	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	69	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	68	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	66	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	64	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	60	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	58	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Ground Snow Load up to 50 psf		
	Pipe Beam Diameter: 1.5"						

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		
					Ground Snow Load up to 60 psf		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	48	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	48	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	48	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	48	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	51	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	49	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

0 Snow 5-Module	Configuration Tables for SnapRack Series 200 Ground-Mount PV System							0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	84	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	69	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	66	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	82	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

0 Snow 5-Module	Configuration Tables for SnapRack Series 200 Ground-Mount PV System							0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels			

110 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

120 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels			

150 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf	

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	66	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	66	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	3	
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	3	
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	3	
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	3	
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	3	
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	3	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	3	
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	3	
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	3	
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	3	
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			3	NA						
	22.5° to 30°	N/A	N/A	N/A			3	NA						
	30° to 37.5°	N/A	N/A	N/A			3	3						
	37.5° to 45°	N/A	N/A	N/A			3	3						

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			3	NA						
	22.5° to 30°	N/A	N/A	N/A			3	NA						
	30° to 37.5°	N/A	N/A	N/A			3	3						
	37.5° to 45°	N/A	N/A	N/A			3	3						

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			3	NA						
	22.5° to 30°	N/A	N/A	N/A			3	NA						
	30° to 37.5°	N/A	N/A	N/A			3	NA						
	37.5° to 45°	N/A	N/A	N/A			3	3						

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			NA	NA						
	22.5° to 30°	N/A	N/A	N/A			3	NA						
	30° to 37.5°	N/A	N/A	N/A			3	NA						
	37.5° to 45°	N/A	N/A	N/A			3	3						

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 40	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	122	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	107	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	100	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	96	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	90	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	119	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	102	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	95	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	91	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	114	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	98	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	91	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	87	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	110	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	94	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	88	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	82	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	106	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	90	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	84	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	75	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	98	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	83	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	78	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	92	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	78	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	72	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	86	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

0 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
							Snow-Free Region

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 10 psf		
		Pipe Beam Diameter: 1.5"					

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	107	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	99	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	99	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	96	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	90	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	106	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	96	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	95	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	91	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	103	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	94	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	91	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	87	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	101	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	91	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	88	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	82	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 10 psf		
		Pipe Beam Diameter: 1.5"					

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	98	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	88	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	84	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	75	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	94	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	83	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	78	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	78	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	72	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 3-Module	Configuration Tables for SnapRack Series 200 Ground-Mount PV System							20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	92	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	87	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	90	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	88	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	90	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	85	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	87	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	86	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	83	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	85	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	83	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	81	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	82	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	81	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	86	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	79	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	80	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	75	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	76	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	76	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	72	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	66	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	88	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	84	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	82	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	82	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	84	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	88	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	82	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	80	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	80	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	81	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	86	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	81	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	79	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	78	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	79	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	77	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	76	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	77	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	75	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	74	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	74	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

30 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	78	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	77	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	76	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	79	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	76	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	75	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	75	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	77	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	75	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	74	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	73	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	74	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	72	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	71	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels				
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 40 psf				

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	70	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							40 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels			

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels			

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	72	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	72	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	75	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	71	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	73	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	69	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	69	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	72	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	66	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	66	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	68	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	71	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	70	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	66	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	66	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	65	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

60 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		
							Ground Snow Load up to 60 psf

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

70 Snow 3-Module	Configuration Tables for SnapRack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf	

90 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	68	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	71	Yes	Yes			N/A	N/A	N/A				2	2	

95 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	66	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2	

100 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2	

105 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	64	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2	

70 Snow 3-Module	Configuration Tables for SnapRack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf	

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

70 Snow 3-Module	Configuration Tables for SnapRack Series 200 Ground-Mount PV System						70 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 70 psf		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	69	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	60	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 80 psf		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

80 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 90 psf		
		Pipe Beam Diameter: 1.5"					

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	60	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	66	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	58	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf			

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	59	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

90 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	58	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	64	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	63	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 110 psf		
		Pipe Beam Diameter: 1.5"					

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	61	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	61	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 110 psf		
		Pipe Beam Diameter: 1.5"					

110 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

110 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	Concrete Pier Size1 (in)		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 3 Module Panels	Ground Snow Load up to 120 psf		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	58	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	58	Yes	Yes			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	57	Yes	Yes			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	52	Yes	Yes			N/A	N/A	N/A				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 Snow 3-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 3-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 3 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	105	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	92	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	86	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	83	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	103	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	88	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	83	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	75	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	99	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	84	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	79	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	68	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	95	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	81	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	76	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	78	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

0 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		
					Ground Snow Load up to 10 psf		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	93	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	86	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	86	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	83	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	91	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	83	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	83	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	75	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	89	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	81	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	79	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	68	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	87	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	79	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	76	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	76	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	81	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	63	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	79	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	75	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	78	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	76	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	75	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	74	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	72	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	73	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	68	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 20 psf			

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	74	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	69	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	69	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 20 psf	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	77	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	71	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	71	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	70	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	69	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	75	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	72	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

30 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Ground Snow Load up to 40 psf			
	Pipe Beam Diameter: 1.5"							

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	66	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	67	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	66	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	65	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Ground Snow Load up to 40 psf		
	Pipe Beam Diameter: 1.5"						

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

40 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		
				Ground Snow Load up to 50 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	62	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	60	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Ground Snow Load up to 50 psf		
	Pipe Beam Diameter: 1.5"						

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

50 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	58	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	60	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	57	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Ground Snow Load up to 60 psf		
		Pipe Beam Diameter: 1.5"					

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

60 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels				
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf				

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	58	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	57	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Ground Snow Load up to 70 psf		

110 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

130 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

140 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

70 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	56	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	55	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

80 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 80 psf	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	2	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		
					Ground Snow Load up to 90 psf		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	53	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	52	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels				
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf				

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	48	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

90 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels			
			Pipe Beam Diameter: 1.5"	Ground Snow Load up to 100 psf			

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	48	Yes	Yes			2	3						
	22.5° to 30°	50	Yes	Yes			2	2						
	30° to 37.5°	52	Yes	Yes			2	2						
	37.5° to 45°	53	Yes	Yes			2	2						

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	3				3	
	15° to 22.5°	48	Yes	Yes			2	3						
	22.5° to 30°	49	Yes	Yes			2	3						
	30° to 37.5°	51	Yes	Yes			2	2						
	37.5° to 45°	N/A	N/A	N/A			2	2						

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	3				3	
	15° to 22.5°	48	Yes	Yes			2	3						
	22.5° to 30°	49	Yes	Yes			2	3						
	30° to 37.5°	51	Yes	Yes			2	2						
	37.5° to 45°	N/A	N/A	N/A			2	2						

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	3				3	
	15° to 22.5°	N/A	N/A	N/A			2	3						
	22.5° to 30°	48	Yes	Yes			2	3						
	30° to 37.5°	49	Yes	Yes			2	2						
	37.5° to 45°	N/A	N/A	N/A			2	2						

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

100 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 4-Module		
	Steel Pipe		Pipe Schedule: 80		Pipe Column Diameter: 2.0"			Array size: 4 Module Panels	
	Specifications:				Pipe Beam Diameter: 1.5"			Ground Snow Load up to 100 psf	

150 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

160 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

170 mph Wind Speed		Standard Installation						Braced Installation						# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	53	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	50	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	48	Yes	Yes			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

110 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 4-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels			
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 110 psf			

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Ground Snow Load up to 120 psf		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	50	Yes	Yes			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 4 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

120 Snow 4-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 4-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 4 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	94	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	83	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	77	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	92	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	79	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	74	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	88	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	76	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	85	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	82	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2	
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2	
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	3	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

0 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						0 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Pipe Beam Diameter: 1.5"	Snow-Free Region	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Ground Snow Load up to 10 psf		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	83	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	77	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	77	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	82	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	75	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	74	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	80	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	73	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	71	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	78	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	70	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Ground Snow Load up to 10 psf		
	Pipe Beam Diameter: 1.5"						

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	76	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	68	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	65	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	73	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

10 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						10 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Pipe Beam Diameter: 1.5"	Ground Snow Load up to 10 psf	

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	71	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	67	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	69	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	67	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	70	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	66	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	68	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	66	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	63	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Ground Snow Load up to 20 psf		
		Pipe Beam Diameter: 1.5"					

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	64	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	59	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

20 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						20 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	55	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	69	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	65	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	64	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	63	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	68	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	64	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	62	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	61	Yes	Yes			N/A	N/A	N/A				2	2
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	67	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	62	Yes	Yes			N/A	N/A	N/A				2	2
	15° to 22.5°	61	Yes	Yes			N/A	N/A	N/A				2	2
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	66	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	61	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							30 Snow 5-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels				
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 30 psf				

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	65	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	2
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

30 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						30 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Ground Snow Load up to 30 psf		
		Pipe Beam Diameter: 1.5"					

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	52	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	63	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	60	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	59	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	59	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	2
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	62	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	59	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	58	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	58	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	2

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	58	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	57	Yes	Yes			N/A	N/A	N/A				2	3
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				2	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	61	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	57	Yes	Yes			N/A	N/A	N/A				2	3
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	60	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	2	3
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

40 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						40 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	56	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	56	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	58	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	56	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	55	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	55	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				2	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	55	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	54	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	54	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	57	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	54	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							50 Snow 5-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels				
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 50 psf				

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	56	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	54	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

50 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						50 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Ground Snow Load up to 50 psf		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	53	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	53	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	53	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	54	Yes	Yes			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	52	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	52	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				2	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	52	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	51	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	51	Yes	Yes			N/A	N/A	N/A				3	3
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	3
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							60 Snow 5-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels				
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 60 psf				

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	53	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	3
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				3	NA
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	51	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

60 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						60 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				3	NA
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	NA
	22.5° to 30°	51	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	52	Yes	Yes			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	50	Yes	Yes			N/A	N/A	N/A				3	NA
	15° to 22.5°	50	Yes	Yes			N/A	N/A	N/A				3	NA
	22.5° to 30°	50	Yes	Yes			N/A	N/A	N/A				3	3
	30° to 37.5°	49	Yes	Yes			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	49	Yes	Yes			N/A	N/A	N/A				3	NA
	15° to 22.5°	49	Yes	Yes			N/A	N/A	N/A				3	NA
	22.5° to 30°	49	Yes	Yes			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA
	7.5° to 15°	48	Yes	Yes			N/A	N/A	N/A				3	NA
	15° to 22.5°	48	Yes	Yes			N/A	N/A	N/A				3	NA
	22.5° to 30°	48	Yes	Yes			N/A	N/A	N/A				3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	3
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							70 Snow 5-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels				
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 70 psf				

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	50	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	3

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	49	Yes	Yes	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	3	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	3	NA

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel		
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules	
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F			
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				N/A	NA	NA

70 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						70 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							80 Snow 5-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels				
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 80 psf				

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	48	Yes	Yes			3	NA						
	22.5° to 30°	48	Yes	Yes			3	NA						
	30° to 37.5°	50	Yes	Yes			3	3						
	37.5° to 45°	N/A	N/A	N/A			3	3						

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			3	NA						
	22.5° to 30°	N/A	N/A	N/A			3	NA						
	30° to 37.5°	49	Yes	Yes			3	3						
	37.5° to 45°	N/A	N/A	N/A			3	3						

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			3	NA						
	22.5° to 30°	N/A	N/A	N/A			3	NA						
	30° to 37.5°	N/A	N/A	N/A			3	NA						
	37.5° to 45°	N/A	N/A	N/A			3	3						

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			NA	NA						
	22.5° to 30°	N/A	N/A	N/A			3	NA						
	30° to 37.5°	N/A	N/A	N/A			3	NA						
	37.5° to 45°	N/A	N/A	N/A			3	3						

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				NA	

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

80 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						80 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	48	Yes	Yes			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							90 Snow 5-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels				
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 90 psf				

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				NA	

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

90 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						90 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

160 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

170 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	3

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	3				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				3	

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	3				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				NA	

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				NA	

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

120 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

130 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

140 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

100 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						100 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA

95 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				NA	

100 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				NA	

105 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	3				NA	

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

110 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

120 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

130 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

140 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA		
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

110 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						110 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Pipe Beam Diameter: 1.5"	Array size: 5 Module Panels		

90 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

95 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

100 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				3	NA	

105 mph Wind Speed		Standard Installation					Braced Installation					# of Rails Required Per Panel			
		Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
			Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA	
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA	

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System							120 Snow 5-Module
	Steel Pipe	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels				
	Specifications:		Pipe Beam Diameter: 1.5"	Ground Snow Load up to 120 psf				

110 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

120 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

130 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

140 mph Wind Speed	Standard Installation					Braced Installation					# of Rails Required Per Panel			
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	NA				NA	
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	NA				NA	

120 Snow 5-Module	Configuration Tables for SnapNrack Series 200 Ground-Mount PV System						120 Snow 5-Module
	Steel Pipe Specifications:	Pipe Schedule: 80	Pipe Column Diameter: 2.0"	Array size: 5 Module Panels	Ground Snow Load up to 120 psf		

150 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

160 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA

170 mph Wind Speed	Standard Installation						Braced Installation						# of Rails Required Per Panel	
	Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			Max Pipe Span (PS, in)	American Ground Screw - Model 3		Required Braces			72"x42" Modules	84"x42" Modules
		Short Leg	Tall Leg	A	C	D		Short Leg	Tall Leg	A	E	F		
Tilt Angle	0° to 7.5°	N/A	N/A	N/A	Yes	Braces C & D based on site SDS: SDS <= 1.0: Every Third Bay SDS <= 2.0: Every Second Bay SDS > 2.0: Every Bay	N/A	N/A	N/A	Yes	Yes	Yes	NA	NA
	7.5° to 15°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	15° to 22.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	22.5° to 30°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	30° to 37.5°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA
	37.5° to 45°	N/A	N/A	N/A			N/A	N/A	N/A				NA	NA



Appendix A: ASCE 7-10 to ASCE 7-05 Wind Conversion

This appendix may be used for the Flush-Mounted & Ground mounted SnapNrack System(s).

The appendix is applicable for converting between the 7-10 and 7-05 editions of the International Building Codes.

The span spacing tables were compiled with LRFD wind speeds (ASCE 7-10). The velocity equivalence table below adjusts the 7-10 (Ultimate) wind speeds to the appropriate 7-05 (Service) wind speeds.

Risk Category 1 Velocity Equivalence	
Code Reference	
ASCE 7-10 or ASCE 7-16	ASCE 7-05
$V_{ult.}$ (mph)	V_{3-sec} (mph)
100	84
105	88
110	92
115	97
120	101
130	109
140	118
150	126
160	134
170	143
180	151

Table A: ASCE 7-10 or 7-16 / ASCE 7-05 Wind Speed Conversion Table

Note: Wind speeds for ground-mounted solar photovoltaic installations assume Risk Category I.
The ASCE 7-05 importance factor, $I_w = 0.85$, is built into this conversion table.

Appendix B: Snow Load Conversions

This appendix has been provided to adjust the design snow loads for commonly encountered conditions. Span tables have been compiled based on the ground snow load. The array design has reduced the snow load to the flat roof snow load per ASCE §7.3. The design assumes a fully exposed “roof” in exposure category C with no nearby obstacles. Slope factors per ASCE §7.4 have not been applied. Where the array is located close to an adjacent building or to evergreen trees, see Part 1 below. Where the Authority Having Jurisdiction (AHJ) specifies minimum roof snow loads or non-reducible ground snow loads, see Part 2 below.

Part 1: Due to aerodynamic shading, arrays which are located downwind of taller structures may accumulate more snow than arrays which are isolated or grouped with no nearby obstructions (ASCE §7.7.2). Evergreen trees have a similar effect of causing additional snow to accumulate on lower structures nearby (ASCE table 7-2). This conversion table has been provided to amplify the ground snow load in order to account for these two effects. Snow sliding off of an adjacent structure and falling on the array has not been considered in this conversion table.

Equivalent Ground Snow Load for Use in Configuration Tables						
Separation from adjacent building -->		10'-20' Separation from building.				
Adjacent building Length -->		Up to 20 ft long	Up to 35 ft long	Up to 50 ft long	Up to 100 ft long	Up to 500 ft long
Adjacent building Height -->		Up to 100 ft tall				Up to 200 ft tall
Specified Ground Snow Load	5	6	6	6	11	86
	10	12	12	12	25	109
	15	17	17	17	38	NA
	20	23	23	23	51	NA
	25	28	28	31	63	NA
	30	34	34	41	75	NA
	35	39	39	51	87	NA
	40	45	45	61	100	NA
	50	56	62	81	NA	NA
	60	67	80	100	NA	NA
	70	78	97	120	NA	NA
	80	89	115	NA	NA	NA
	90	100	NA	NA	NA	NA
	100	113	NA	NA	NA	NA
110	NA	NA	NA	NA	NA	
120	NA	NA	NA	NA	NA	

Table B.1a: Snow Load Amplification to Account for Nearby Buildings and Trees.



Equivalent Ground Snow Load for Use in Configuration Tables						
Separation from adj. building -->	0'-10' Separation from building.				Adjacent to Evergreens with $H_{tree} - H_{array}$ Greater Than 10% of Separation	
Adjacent building Length -->	Up to 20 ft long	Up to 35 ft long	Up to 50 ft long	Up to 100 ft long		
Adjacent building Height -->	Up to 30 ft tall	Up to 50 ft tall	Up to 70 ft tall	Up to 100 ft tall		
Specified Ground Snow Load	5	14	29	41	67	7
	10	27	44	56	86	14
	15	39	58	72	104	20
	20	51	71	86	NA	27
	25	62	85	101	NA	34
	30	74	98	115	NA	40
	35	85	111	NA	NA	47
	40	97	NA	NA	NA	54
	50	120	NA	NA	NA	67
	60	NA	NA	NA	NA	80
	70	NA	NA	NA	NA	94
	80	NA	NA	NA	NA	107
	90	NA	NA	NA	NA	120
	100	NA	NA	NA	NA	NA
	110	NA	NA	NA	NA	NA
120	NA	NA	NA	NA	NA	

Table B.1b: Snow Load Amplification to Account for Nearby Buildings and Trees.

Part 2: For AHJ’s specifying minimum roof snow loads or non-reducible ground snow loads, the user shall convert the specified snow load to the equivalent ground snow load using Table B.2 before using the SnapNrack Series 200 Ground Mount Configuration Table(s). If Table B.1 is used to amplify the snow loads, use the result from Table B.1 as the input into Table B.2.

Snow Load Conversion Table	
Specified Minimum Roof Snow Load (psf)	Equivalent Ground Snow Load (psf) for use in Configuration Table(s)
10	20
20	25
25	35
30	40
35	50
40	60
50	70
60	80
70	90
80	100
90	120
100	NA
110	NA
120	NA

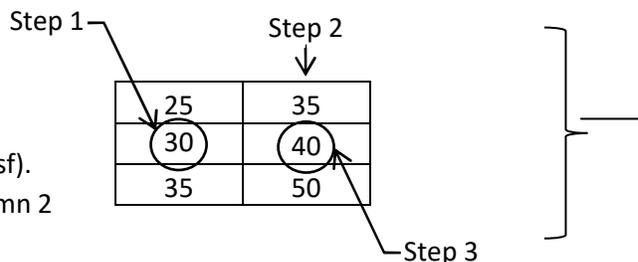
Table B.2: Conversion Table for Minimum Specified and/or Non-Reducible Snow Loads

Note: Calculated Snow Loads for ground-mounted solar photovoltaic installations assume Risk Category I.

Example Conversion

Given(s): AHJ requires minimum 30 psf roof snow load.
Existing roof pitch is 6 in 12 = 27°

- Step 1) Locate specified roof snow load in column 1 (30 psf).
- Step 2) Determine which Roof Pitch column applies. Column 2 applies for the given condition.
- Step 3) Select 40 psf from column 2 as the equivalent ground snow load for use in the Span Table(s).





Appendix D: Structural Details

The following structural details apply to the Series 200 Ground-Mounted Racking System:

Number:	Description:	Revision:
SNR-DC-00201	SERIES 200 OVERVIEW	J
SNR-DC-00202	SERIES 200 SYSTEM DETAILS	J
SNR-DC-00203	SERIES 200 BRACED OPTION	J
SNR-DC-00204	PIPE SPLICE DETAIL	A
SNR-DC-00205	5-MODULE DETAIL	I
SNR-DC-00206	SERIES 200 PIER DETAILS	J