

SOLAR PANELS AND MOUNTING RACKS

PV PANELS w/RACKS & ACCESSORIES

No. of Panels	Order No.	Description	Pole size required* (Qty.)	PV Panel type (Included in kit)	PV Panel (ea.)				
					Watts**	Vmpp**	Voc**	LxWxH	Wt. (lbs)
2	305709015	2-SolarPV-60cell-KIT	4" SCH40 (1)	60-cell (Mono-PERC)	300W	32V	40V	65" x 39" x 1.6"	40.1 lbs
3	305709000	3-SolarPV-60cell-KIT	4" SCH40 (1)						
4	305709001	4-SolarPV-60cell-KIT	4" SCH40 (1)						
5	305709002	5-SolarPV-60cell-KIT	4" SCH40 (2)						
6	305709003	6-SolarPV-60cell-KIT	4" SCH40 (2)						
7	305709004	7-SolarPV-60cell-KIT	4" SCH40 (3)						
8	305709005	8-SolarPV-60cell-KIT	4" SCH40 (3)						
9	305709006	9-SolarPV-60cell-KIT	4" SCH40 (3)						
10	305709007	10-SolarPV-60cell-KIT	4" SCH40 (4)						
11	305709008	11-SolarPV-60cell-KIT	4" SCH40 (4)						
12	305709009	12-SolarPV-60cell-KIT	4" SCH40 (4)						

*Includes Solar (PV) panels, Pole-mount racks for PV panels, 600V DC-rated disconnect, connection wire for use between the panels and disconnect & between disconnect and solar VFD, ground wire and bonding equipment, galvanized ground rod and clamps



SOLAR (PHOTOVOLTAIC) PANELS

No. of Panels	Order No.	Description	Panel type	PV Panel (ea.)				
				Watts**	Vmpp**	Voc**	LxWxH	Wt. (lbs)
1	305709030	1-SolarPV-72cell	72-cell	320W*	37V	46V	77" x 39" x 1.6"	49.6 lbs
25	305709052	25-SolarPV-72cell						

*Panel manufacturer and panel wattage will vary with availability, Panel wattage will be 320 watts or greater.



MOUNTING RACKS

No. of PV panels	Order No.	Description	Pole size required* (Qty.)	Shipping Information	
				Size (LxWxH)	Wt. (lbs)
2	305709045	2-SolarPV-Rack	4" SCH40 (1)	36" x 10" x 10"	21
3	305709046	3-SolarPV-Rack	4" SCH40 (1)		23
4	305709055	4-SolarPV-Rack	4" SCH40 (1)		25
4	305709047	4-SolarPV-Rack	4" SCH40 (2)		30
5	305709048	5-SolarPV-Rack	4" SCH40 (2)		33
6	305709049	6-SolarPV-Rack	4" SCH40 (2)		39



DC DISCONNECT & OTHER ACCESSORIES

Item	Order No.	Description	Shipping Information	
			Size (LxWxH)	Wt. (lbs)
DC Disconnect	305709035	Safety Switch IP66, 600Vdc 25A 2-Pole	4.5" x 4.0" x 7.25"	1.25
AC/DC Converter	581114204	Photon AC/DC Converter (3/4 - 1.5HP)	10" x 10" x 10"	11
Mounting bracket	226944901	Mounting bracket for Photon VFD or AC/DC unit	10.5" x 7.13" x 7"	1.5
Comm. Card	581COMM-APP	Wi-Fi Module for Photon VFDs	13.5" x 3.5" x 3.5"	0.5

*Solar Panel Mounting System requires one, 4.0" SCH40, steel pipe as a horizontal cross support beam; this is to be cut to length based on number and type of solar panel

**Electrical specification data is solar industry STC

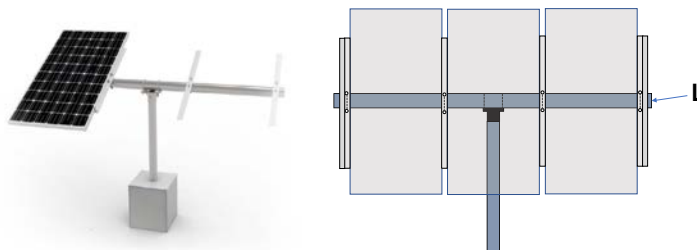




INSTALLATION QUICK REFERENCE

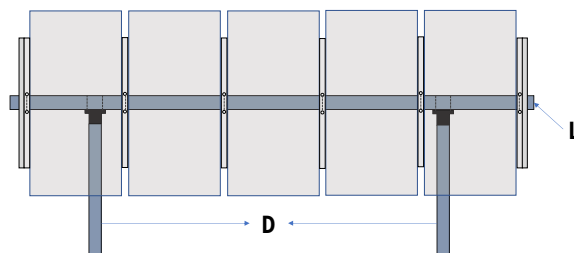
DIMENSIONAL GUIDE FOR MOUNTING RACKS

Using (1) 4" SCH40 vertical pole	
No. panels	Cross pipe length (L):
2	7.5 ft
3	11 ft
4	15 ft

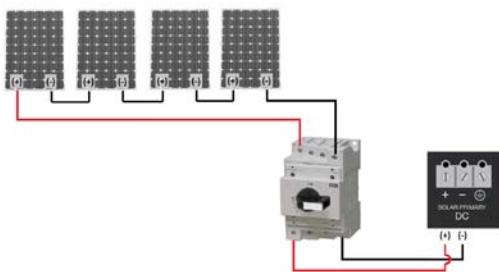


DIMENSIONAL GUIDE FOR MOUNTING RACKS

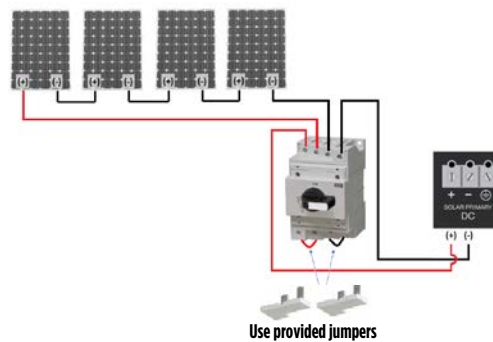
Using (2) 4" SCH40 vertical pole		
No. panels	Cross pipe length (L):	Dist. between poles (D):
4	15 ft	10 ft
5	18.5 ft	12 ft
6	22 ft	10 ft



Example DC Disconnect with 1 string (typ. up to 600V)



Example DC Disconnect with 1 string (typ. up to 800V)



Example DC Disconnect with 2 strings (typ. up to 600V)

