

SA-SOLAR POWER



30 Watt Panel Shown
with Optional
Enclosure SA-WALL-
CAB

The SA-SOLAR Power System provides direct 12V power and standby power backup for the SA-StaffAlerter and its SA-Alert, Contact Notifier and Wi-Fi and Cellular systems. Supports CCTV cameras and access points.

SA-SOLAR Power System options include:

- SA-SOLAR Power 30/20 (30 Watt rated Solar Panel with 20AH LifePO4 Lithium battery. Provides 1.8A continuous power
- SA-SOLAR Power 50/20 (50 Watt rated Solar Panel with 20AH LifePO4 Lithium battery. Provides 2.5A continuous power
- SA-SOLAR Power 50/30 (50 Watt rated Solar Panel with 30AH LifePO4 Lithium battery. Provides 3A continuous power
- SA-SOLAR Power 100/30 (100 Watt rated Solar Panel with 30AH LifePO4 Lithium battery. Provides 4A continuous power
- SA-SOLAR Power 100/50 (100 Watt rated Solar Panel with 50AH LifePO4 Lithium battery. Provides 5A continuous power

SA-WALL-CAB



(H x W x D):
11.8 x 9.8 x 5.5"

SA-WALL-CAB DEEP



(H x W x D):
15.7 x 11.8 x 7.9"



8AH Battery



20AH Battery



30AH Battery



50AH Battery

Optional Accessories



SA-POLE 30 Mount
SA-POLE 50 Mount



SA-POLE 100 Mount



12VDC-
24VDC CONV



5 PORT IP40 SWITCH
DIN MOUNT

www.pmpowerproducts.com

614.652.6509

4393 Tuller Road, Ste A
Dublin, OH 43017



Technical Specifications

Temp compensation	-3mV/°C/2V		Max System Voltage	1000V DC	
Storage Humidity	10%-90%, no condensation		Measurements	335*610*18mm	
Measurements	87*54*26mm		Cable Diameter/Length	20AWG/3m	
Weight	0.35kg		Protection Grade	IP65	
Battery Type	Wet, Gel Cell/Flooded/Maintenance-free	AGM	Lithium	N.W	1.75KGS
				Standard Test Condition	25°C, 1000W/M2 1.5 Air Mass
Boost Charge Voltage	14.2V	14.6V	14.6		
Float Charge Voltage	13.8V	13.8V	/		
Charge Recovery	13.0V	13.0V	13.0V		
Boost Duration	2 Hours	2 Hours	2 Hours		

10A Charge Controller Parameters		Solar Panel Parameters	
Rated Current	10A	Power Output	30/50 Watts
Nominal System Voltage	12V	Power Tolerance	±5%
Max PV Input Voltage	15-30V	Open Circuit Voltage	21.6V
Max PV Input Power	120W	Short Circuit Current	1.75A
Electronics Protections	Reverse battery polarity, Reverse PV polarity, PV over-voltage Battery over-voltage, PV over-current, Battery over-current	Maximum Power Voltage	18.0V
Battery Type	Wet Cell, Gel Cell, Flooded, Maintenance-free, AGM, Lithium	Maximum Power Current	1.67A
Controller Terminals	1.5mm ² /16AWG	Current Temp Coefficient	0.1 %/°C
Power Indicator	25%-50%-75%-100%	Voltage Temp Coefficient	-0.37 %/°C
Standby Current	0 mA(No discharge from battery)	Power Temp Coefficient	-0.45 %/°C
Working Temperature	-40°C~80°C	Max.Snow/Wind load	2400 Pa



SA-SOLAR PWR 20/8

Includes 20 Watt solar panel with integrated MPPT charger and 8AH LiFePO4 battery. Dimensions: 20.1"D x 13.8"W x 0.7"H. Output 1.1Amp with 13.8v float charge and 14.4V protection. Suitable for devices requiring 12VDC @ .350 amp or less demand.

Contact: sales@pmpowerproducts.com or Call 614.652.6509 for more information

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