

# 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 (50Watt rated Solar Panel with 30AH LifePO4 Lithium battery. Provides 2.5A continuous power



20AH Battery

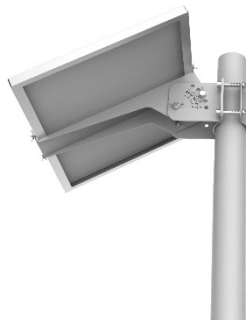


30AH Battery

## Optional Accessories



SA-WALL-CAB  
NEMA 3R 12x12x4



SA-POLE 30 Mount  
SA-POLE 50 Mount



SA-BRKT-Z  
(Bracket)



SB-BAT-CHG 14.6V  
LiFePO4 Battery Charger

[www.pmpowerproducts.com](http://www.pmpowerproducts.com)

614.652.6509  
4393 Tuller Road, Ste A  
Dublin, OH 43017



# Technical Specifications

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 <sup>2</sup> /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

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		



## SA-SOLAR PWR 20/8

Suitable for smaller IoT devices. 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 13.8V@1.1Amp float charge and 14.4V protection. Suitable for devices requiring 12VDC @ 500 ma or less demand.

Contact: [sales@pmpowerproducts.com](mailto:sales@pmpowerproducts.com) or Call 614.652.6509 for more information

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