

Solar Power Pack for Remote unattended Power Supply

The SPP-600-2B is a solar powered power pack with multiple DC Outputs for 24x7 Power Supply.

It has an MPPT charger which stores energy from the solar panel into a Lithium Ferrous Phosphate (LFP) Battery during the day.

It has multiple outputs that supply 48V, 24V, 12V & 9V to the equipment connected. It has option to support 230V ac output.

It can be configured for Dusk to Dawn or Continuous output operation.

Typical applications are Security camera systems, communication equipment, Street lighting, Yard Lighting etc.



TECHNICAL SPECIFICATION

Parameter	Range/ Value	Parameter	Range/ Value
SOLAR PANEL			
Panel capacity max	600Wp	Panel type	Mono/ Polly crystalline
No. of cells	72	Panel VOC	45Vmax
VMP	36-40V	Termination	MC4
SOLAR MPPT BATTERY CHARGER			
Type of Conversion	MPPT	Max Charging current	25 max
Charging method	CC-CV-Float	Charge Voltage	28.4±0.2V
Battery Low warn	<24.4±0.2V	Battery Low trip	23.6±0.2V
Battery Disconnect	< 22.0±0.2V	Load reconnect	> 25.0±0.2V or PV ON
GENERAL			
Output Options	48/ 24/ 12/ 9VDC/ 230V ac	Max Power output	100W
Housing	IP65 grade Pole Mountable Powder Coated MS cabinet		
Protection	Battery reverse, Panel reverse, Output short circuit, Output Overload, Night reverse discharge, Overcharge, Battery deep discharge.		
BATTERY			
Battery type	LiFePO4	Battery capacity	Suitable for 24 hours backup
Battery Voltage Nom	25.8	BMS	Internal for LiFePO4
INDICATION			
LED RED (Output)	1.75sec ON, 0.25 Sec OFF: Overload 0.1sec ON, 0.1 Sec OFF: Output Short OFF: Output OK		
LED GREEN (Solar)	Flashing : Charging@ charge rate 0.1sec ON, 0.1Sec OFF: Trip OFF: Full charge off/ No solar		
LED YELLOW (Battery)	0.25sec ON, 0.25 sec OFF: Bat. Low Double flash: Bat OK & Load ON ON: Output trip		

Note: Specification may change as result of continuous improvement of the product. Contact factory for latest update

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