

Smart Power Manager

SMART POWER MANAGER

500W Inverter-Controller-Charger Integrated Kit

The Solarland Smart Power Manager is a compact device integrating DC/AC inverter, solar charge controller and AC charger. It can be used to charge your 12V lead-acid battery either by solar panels or grid power power.

Excellent as an emergency power back-up supply during power outages, the Smart Power Manager and has proved to be an effective power solution in areas with unstable grid power. You can also reduce power bills in areas where power costs are very expensive.



SLNP-E/500 Compact, Rugged Design

Ideal for portable power and emergency power situations.

POWERFUL AND INTELLIGENT

- Integrated inverter, charger and controller.
- Charged by solar panel or grid power.
- Digital readout for system status.

PROFESSIONAL DESIGN FOR SAFE OPERATION

- Low/high voltage protection.
- High temperature protection.
- High current protection.
- Short circuit and overload protection.

RELIABLE AND DURABLE

- High efficiency up to 85%.
- Good loading ability utilizing special microprocessor design.
- High level immediate start function.
- Rugged design.

SIMPLE TO USE

- Convenient, simple design
- Portable, compact & lightweight design
- Plug & Play design; ...easy to use.



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CHARGING MODE



TECHNICAL SPECIFICATION:

Component		Parameters	
Smart Power Manager	Model	Type	SLNP-E/500
	Inverter	Constant Output Power	400W
		Output Power (1 minute)	500W
		AC Output Waveform	Modified Sine Wave
		Output Voltage/Frequency	110VAC-127AC/60±2Hz
		Self-consumption	<0.5A
		Low-voltage Disconnection	11.0±0.2VDC
		Over-voltage Disconnection	15.5±0.5VDC
		Full-load Efficiency	≥85%
	Solar Charger	Rate Voltage	12V
		Max.PV Charging Current	12A(2 routes)
		Max. PV Input Voltage	≤25V
		Constant Charging Voltage	14.3±0.2 VDC
		Float Charging Voltage	13.6±0.2 VDC
	AC Charger	Rated Input Voltage/ Frequency	120±10% VAC/ 60±5Hz
		Constant Charging Current	6±0.5A
		Constant Charging Voltage	14.3±0.2 VDC
		Float Charging Voltage	13.6±0.2 VDC
	DC Output	USB Output	5VDC 500mA
DC Output		12VDC/5A((2 routes)	
Others	Dimensions (L x W x H)	290 x 230 x 145mm	
	Working Indicator	Digital Readout and LED	
Battery	Types	Gel, AGM	
	Rate Voltage	12V	
	Battery Capacity(Recommended)	80Ah x 1pc	
Solar Panel	Type(Recommended)	SLP80-12 x (1~2pcs)	
	Peak Power(Pmax)	80W	
	Open Circuit Voltage (Voc)	21.6V	
	Max. Power Voltage (Vmp)	17.2V	
	Short Circuit Current (Isc)	5.1A	
	Max. Power Current (Imp)	4.6A	
	Cable	2×1.5mm²×5m/pc	