



ORI Solar POWER MANAGER

Inverter-Controller-Charger Integrated Kit

The ORI Solar 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 AC.

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

Features:

- Energy conservation and environmental protection
- Integrated inverter, charger and controller
- Professional design for safe operation
- Micro CPU processor control
- Charged by solar panel or AC
- UPS function
- Pure Sine Wave
- Digital display

Professional Design for Safe Operation

- Low/high voltage protection.
- High temperature 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



Component		Parameters	SAP-E/1000	SAP-E/2000	SAP-E/600S	SAP-E/1000S	SAP-E/2000S
Solar Power Manager	Model	Type	SLNP-E/1000	SLNP-E/2000	SLNP-E/600S	SLNP-E/1000S	SLNP-E/2000S
	DC/AC Inverter	Max. AC Output Power(W)	1000W	2000W	600W	1000W	2000W
		Output Wave	Modified Sine Wave		Pure Sine wave		
		Output Voltage/ Frequency	205VAC-235AC/50±2Hz				
		Self - Consumption	<1A	<1.2A	<0.8A	<1A	<1.2A
		Low - Voltage Disconnection	11.0±0.2 VDC				
		Low - Voltage Reconnection	12.1±0.2 VDC				
		Over - Voltage Disconnection	15.5±0.5 VDC				
		Full - load Efficiency	85%				
		Transient Response	<55 mS				
	Solar Charger	Rate Voltage	12 V				
		Max. PV Charging Current	30A	40A	20A	30A	40A
		Max. PV Input Voltage	≤25V				
		High - Voltage Disconnection	14.3 ± 0.2 VDC				
		Float Charge Voltage	13.6 ± 0.2 VDC				
		Input Voltage/ Frequency	205 VAC-235 AC/50±2Hz				
	AC Charger	Constant Charging Current	10A	20A	6A	10A	20A
		High - Voltage Disconnection	14.3 ± 0.2 VDC				
		Float Charge Voltage	13.6 ± 0.2 VDC				
	Others	Display	Digital Readout and LED				
		Battery Wire	13.3mm²x1m	13.3mm²two sets x1m	7.24mm² x 1m	13.3mm² x 1m	13.3mm² two sets x 1m
		Dimensions(LxWxH)	357x282x97mm	387x328x97mm	335x282x97mm	357x282x97mm	387x328x97mm
		Packing Size(LxWxH)	425x315x165mm	440x360x165mm	405x315x165mm	425x315x165mm	440x360x165mm
		Net Weight(kg)	5.56	7.22	5.1	5.56	7.22
	Battery	Battery Types	Gel, AGM				
		Battery Capacity(Recommended)	200Ahx1pc	200Ahx2pcs	100Ahx1pc	200Ahx1pc	200Ahx2pcs
	Rate Voltage	12 V					
Solar Panel	Type	SLP100-12	SLP100-1	SLP100-	SLP100-1	SLP100-12	
	Peak Power Pm	100 W					
	Open Circuit Voltage (Voc)	21.6 V					
	Max. Power Voltage (Vmp)	17.2 V					
	Short Circuit Current (Isc)	6.46 A					
	Max. Power Current (Imp)	5.81 A					
	Cable	2x1.5mm² x 5m					