

MPPT OFF-GRID HYBRID INVERTER

1.2KVA & 2.4KVA



LIFETIME
FREE SERVICE WARRANTY

1 YEAR
PARTS REPLACEMENT

*Terms & Conditions Apply



Max Charging
Current **50A**



Voltage Range
90-280VAC



Attractive
Light



Overload
Protection

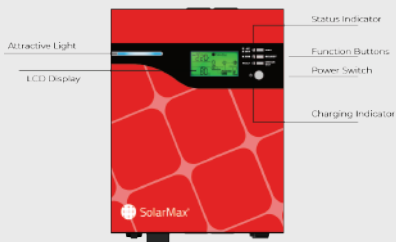


Short Circuit
Protection



LCD Display &
Function Buttons

Product Overview



- Built-in MPPT Solar Charge Controller
- Simulated Sine Wave Inverter
- Wide Input Voltage Range 90-280 VAC
- Overload and Short Circuit Protection
- Combines LCD Display and LED Indicator for Comprehensive Information
- Power ON/OFF Button

MODEL	SM-J 1.2K	SM-J 2.4K
CAPACITY	1200VA / 900W	2400VA / 1600W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	90 - 280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC ±10%	
Overload Capability	Load >110%±15%, alarm 5 minutes and then inverter fault If decreasing the load until lower than 100%, the overload alarm can release. Load >130% ±15%, inverter fault immediately.	
Efficiency (Peak)	82%	85%
Output Watt	900W	1600W
Waveform	Simulated Sine Wave	
Transfer Time	20 ms	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.7 VDC ± 0.5 VDC	27.4 VDC ± 0.5 VDC
Overcharge Protection	15.0VDC ± 0.5 VDC	30.0VDC ±1 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	100 VDC	
Maximum PV Array Power	900 W:	1200 W
MPP Range @ Operating Voltage	15 ~ 80 VDC	30 ~ 80 VDC
Maxmum Solar Charge Current	50A	
Maximum AC Charge Current	10A /20A	
Maximum Charge Current	50A	
PHYSICAL		
Dimension, D X W X H (mm)	282 x 212 x 127	
Net Weight (kgs)	4.5	4.8
OPERATING ENVIRONMENT		
Humidity	0 to 90% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to 40°C	
Storage Temperature	-15°C to 50°C	

Product specifications are subject to change without further notice