

Smart Solar III Series



FEATURES

- 1500 ~ 5000 VA pure sine wave off-grid solar inverter
- Built-in internal MPPT solar charge controller
- Integrated Bluetooth interface with Android App (WatchPower App is available in google store)
- Detachable LCD control module with various communications (Users can install LCD panel in accessible area away from inverter up to 20 meters)
- Supports USB On-the-Go function to facilitate data upload/download
- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS
- Replaceable fan design for ease of maintenance
- Battery equalization extends lifecycle
- Battery independent design
- User-friendly LCD operation

APPLICATIONS

- Professional Workstations
- Home Entertainment Center
- Office Equipment
- Lighting & Home Appliances



SMART SOLAR III INVERTER SPECIFICATION

MODEL	SS3-HV1524M	SS3-HV3024M	SS3-HV5048M
Capacity	1500 VA / 1500 W	3000 VA / 3000 W	5000 VA / 5000 W
INPUT			
Voltage	230 VAC		
Voltage Range (Selectable)	170 ~ 280 VAC (for computers), 90 ~ 280 VAC (for home appliances)		
Frequency Range	50 / 60 Hz (auto sensing)		
OUTPUT			
AC Voltage Regulation (Battery Mode)	230 VAC ±5%		
Surge Power	3000 VA	6000 VA	10000 VA
Efficiency (Peak)	90 ~ 93%		
Transfer Time	10ms (for computers); 20ms (for home appliances)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	24 VDC		48 VDC
Floating Charge Voltage	27 VDC		54 VDC
Overcharge Protection	33 VDC		63 VDC
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Max. PV Array Open Circuit Voltage	400 VDC	500 VDC	500 VDC
Max. PV Array Power	2000 W	4000 W	5000 W
MPP Range @ Operating Voltage	120 ~ 380 VDC	120 ~ 450 VDC	120 ~ 450 VDC
Max. Solar Charge Current	60 A	80 A	80 A
Max. AC Charge Current	40 A	60 A	60 A
Max. Charge Current	60 A	80 A	80 A
MANAGEMENT			
Interface	USB / RS-232 / RS-485 / Bluetooth / Dry-contact		
Monitoring Software	Various operating systems supported		
PHYSICAL			
Dimension (D x W x H) (mm / in)	100 x 280 x 390 / 3.9 x 11.0 x 15.4	115 x 300 x 400 / 4.5 x 11.8 x 15.7	
Net Weight (kg / lb)	8.5 / 18.7	9 / 19.8	10 / 22.1