

Smart Solar IV Series



SS4-HV3624M / HV7248M



SS4-HV8048M

FEATURES

- 3600 ~ 8000 VA pure sine wave off-grid solar inverter
- Built-in internal MPPT solar charge controller
- Status indication with RGB breathing lights
- Supports USB On-the-Go function
- Built-in wifi for mobile monitoring (Android App is available)
- Configurable AC/PV output usage timer and prioritization
- Replaceable fan design and built-in anti-dust kit
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Selectable input voltage range for home appliances and personal computers
- Battery independent design
- Generator compatible
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel redundancy operation up to 6 units for SS4-HV7248M / SS4-HV8048M (optional)

APPLICATIONS

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



SMART SOLAR IV INVERTER SPECIFICATION

MODEL	SS4-HV3624M	SS4-HV7248M	SS4-HV8048M
Capacity	3600 VA / 3600 W	7200 VA / 7200 W	8000 VA / 8000 W
INPUT			
Voltage	230 VAC	230 VAC	230 VAC
Selectable Voltage Range	170 ~ 280 VAC (For Personal Computers) 90 ~ 280 VAC (For Home Appliances)	170 ~ 280 VAC (For Personal Computers) 90 ~ 280 VAC (For Home Appliances)	170 ~ 280 VAC (For Personal Computers) 90 ~ 280 VAC (For Home Appliances)
Frequency Range	50 / 60 Hz (auto sensing)		
OUTPUT			
AC Voltage Regulation (Battery Mode)	230 VAC ± 5%	230 VAC ± 5%	230 VAC ± 5%
Surge Power	7500VA	15000VA	16000VA
Efficiency (Peak)	90% ~ 93%		
Transfer Time	15 ms (For Personal Computers); 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
No Load Power Consumption	< 45W	< 50W	< 70W
DC Voltage (Optional)	12 VDC ± 5%, 100W	12 VDC ± 5%, 100W	12 VDC ± 5%, 100W
BATTERY			
Battery Voltage	24 VDC	48 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	54 VDC
Overcharge Protection	33 VDC	66 VDC	66 VDC
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Max. PV Array Power	4000 W	8000 W	8000 W (4000 W x 2)
MPPT Range @ Operating Voltage	90 - 430 VDC	90 ~ 430 VDC	90 ~ 450 VDC
Max. PV Array Open Circuit Voltage	450 VDC	450 VDC	500 VDC
Max. Solar Charge Current	80 A		
Max. AC Charge Current	80 A		
Max. Charge Current	80 A		
MANAGEMENT			
Communication Interface	USB / RS232 / RS485 / Wi-Fi / Dry-contact		
PHYSICAL			
Dimension (D x W x H) (mm / in)	143 x 420 x 531 / 5.6 x 16.5 x 20.9		147.4 x 432.5 x 553.6 / 5.8 x 17.0 x 21.8
Net Weight (kg / lb)	14 / 30.9	16 / 35.3	18.4 / 40.6