



SS2-HV1024P SS2-HV2024P SS2-HV3024P SS2-HV5048P
 SS2-HV1024M SS2-HV2024M SS2-HV3024M SS2-HV5048M

SMART SOLAR II INVERTER FEATURES

- 1000 ~ 5000 VA pure sine wave off-grid solar inverter
- Max. charge current up to 120A (SS2-HV5048M)
- Built-in internal PWM or MPPT solar charge controller
- Configurable max. charging current by selecting AC charging current and solar charging current
- Configurable AC / Solar input priority via LCD setting
- Selectable input voltage range: wide range for home appliances or standard range for computers
- The load could be powered from Solar + AC grid even battery power failed
- Smart battery charger design for optimized battery performance
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Wide DC input range

APPLICATIONS

- Home Equipment
- Office Equipment
- Lighting Systems
- Professional Workstations



SMART SOLAR II INVERTER SPECIFICATION

MODEL	SS2-HV1024P	SS2-HV1024M	SS2-HV2024P	SS2-HV2024M	SS2-HV3024P	SS2-HV3024M	SS2-HV5048P	SS2-HV5048M
Capacity	1000 VA / 1000 W		2000 VA / 2000 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	2000 VA		4000 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	12 VDC		24 VDC				48 VDC	
Floating Charge Voltage	13.5 VDC		27 VDC				54 VDC	
Overcharge Protection	16 VDC		31 VDC		33 VDC		63 VDC	
SOLAR CHARGER & AC CHARGER								
Solar Charger Type	PWM	MPPT	PWM	MPPT	PWM	MPPT	PWM	MPPT
Max. PV Array Open Circuit Voltage	55 VDC	102 VDC	80 VDC	102 VDC	80 VDC	102 VDC	105 VDC	145 VDC
Max. PV Array Power	600 W	500 W	1200 W	1000 W	1200 W	1000 W	2400 W	3000 W
MPP Range @ Operating Voltage	N/A	17 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	60 ~ 115 VDC
Max. Solar Charge Current	50 A	40 A	50 A	40 A	50 A	40 A	50 A	60 A
Max. AC Charge Current	20 A				25 A		60 A	
Combined AC & Solar Max. Charge Current	50 A	60 A	50 A	60 A	70 A	60 A	110 A	120 A
MANAGEMENT								
Interface	USB / RS-232							
Monitoring Software	Various operating systems supported							
PHYSICAL								
Dimension (D x W x H) (mm / in)	88 x 225 x 320 / 3.5 x 8.9 x 12.6				100 x 285 x 334 / 3.9 x 11.2 x 13.1		100 x 300 x 440 / 3.9 x 11.8 x 17.3	
Net Weight (kg / lb)	4.4 / 9.7		5 / 11		6.3 / 13.9		6.5 / 14.3	