

SP1000 ~ 5000 Initial-M/M II

SP Initial Series

Maintain a high economic value!

SP Initial series allows you to use solar energy in your home at an affordable cost.

Easy to use, highly efficient, and reliable.

Enjoy the green life with our SP Initial Series!



SP3000-SP5000 Initial-M

SP1000-SP2000 Initial-M



High Power Charging Current



USB port



Compatible to power

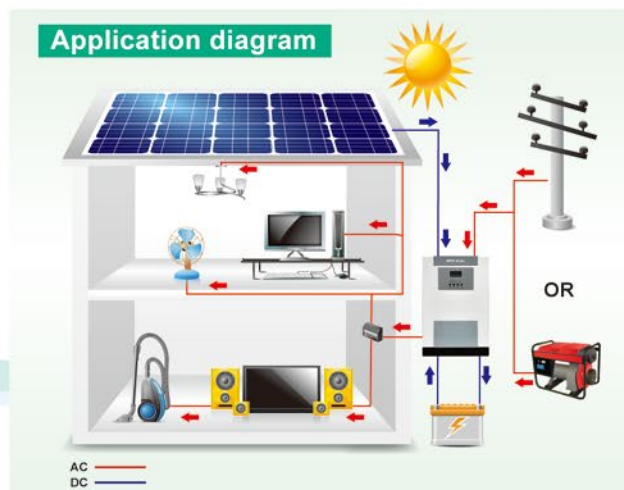


Smart battery charger design

Features

- Pure sine wave inverter with PF1
- Selectable high power charging current
- Compatible with mains or generator power
- Smart battery charger design for battery performance optimization
- Built-in solar charge controller
- Overload and short circuit protection
- Cold start function
- USB communication port

Application diagram



Specifications

MODEL	SP1000 Initial-M	SP2000 Initial-M	SP3000 Initial-M	SP3000 Initial-M II	SP5000 Initial-M
RATED Power	1000VA/1000W	2000VA/2000W	3000VA/3000W	3000VA/3000W	5000VA/5000W
INPUT					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%				
Surge Power	2000VA	4000VA	6000VA	6000VA	10000VA
Peak Efficiency	93%				
Transfer Time	10 ms (For Personal Computers) 20 ms (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		33 VDC		63 VDC
SOLAR CHARGER & AC CHARGER					
Maximum PV Array Open Circuit Voltage	102VDC		100VDC	145VDC	
PV Maximum Input power	500W	1000W	1000W	1500W	3000W
Operation Voltage Range	N/A				
PV Array MPPT Voltage Range	15-80VDC	30-80VDC	30-80VDC	30-115VDC	60-115VDC
Maximum Solar Charging Current		40A	40A		60A
Maximum AC Charging Current	20A		25A	60A	
Maximum Charging Current	60A		60A	120A	
PHYSICAL					
Dimension (D×W×H)	88×225×315 mm		100×285×334 mm	100×300×440 mm	
Net Weight	4.4kgs	5kgs	6.3kgs	9.5kgs	9.7kgs
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10°C ~ 55°C				
Storage Temperature	-15°C ~ 60°C				

Specifications are subject to change without notice.

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