

SP1000 ~SP5000 Initial-P/-M

## SP Initial Series

Keep high value with economy, SP Initial Series allow you easily to use solar energy.

User friendly, high-efficiency and reliable

Enjoy the green life

### Features

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



SP1000 Initial-P



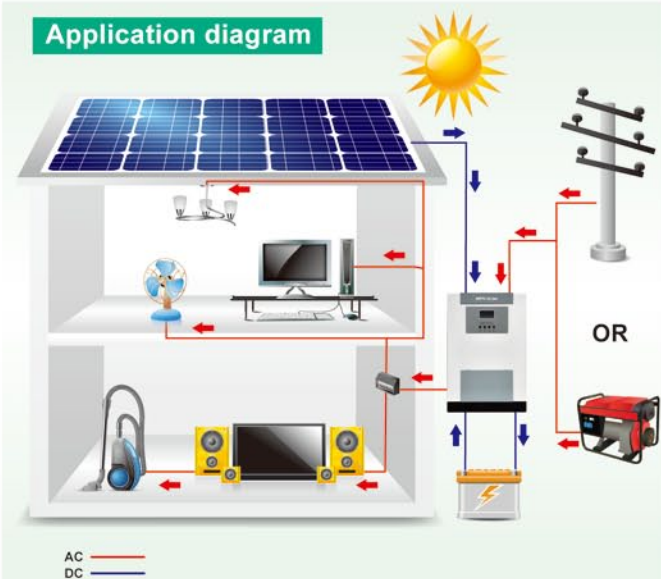
SP3000~SP5000 Initial-P/M

### Specifications

MODEL	SP1000 Initial-P	SP3000 Initial-P	SP5000 Initial-P	SP3000 Initial-M	SP5000 Initial-M
Rated Power	1000VA/ 800W	3000VA/ 2400W	5000VA/ 4000W	3000VA/ 2400W	5000VA/ 4000W
<b>INPUT</b>					
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)				
<b>OUTPUT</b>					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%				
Surge Power	2000VA	4000VA	10000VA	4000VA	10000VA
Peak Efficiency	93%				
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
<b>BATTERY</b>					
Battery Voltage	12 VDC	24 VDC	48 VDC	24 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC	27 VDC	54 VDC
Overcharge Protection	16 VDC	33 VDC	63 VDC	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>					
Maximum PV Array Open Circuit Voltage	50VDC	60VDC	105VDC	100VDC	145VDC
Operation Voltage Range	18~20 VDC	30~32 VDC	60~72 VDC	N/A	N/A
PV Array MPPT Voltage Range	N/A	N/A	N/A	30~80 VDC	60~115 VDC
Maximum Solar Charging Current	50A			40A	60A
Maximum AC Charging Current	20A	25A	60A	25A	60A
Maximum Charging Current	50A	70A	110A	60A	120A
<b>PHYSICAL</b>					
Dimension (D×W×H)	88×225×315mm	100×285×334mm	100×300×440mm	100×285×334mm	100×300×440mm
Net Weight	5kgs	9.6kgs	11.8kgs	9.8kgs	13kgs
<b>OPERATING ENVIRONMENT</b>					
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.

### Application diagram



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