

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 with PF1
- 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~SP2000 Initial-P

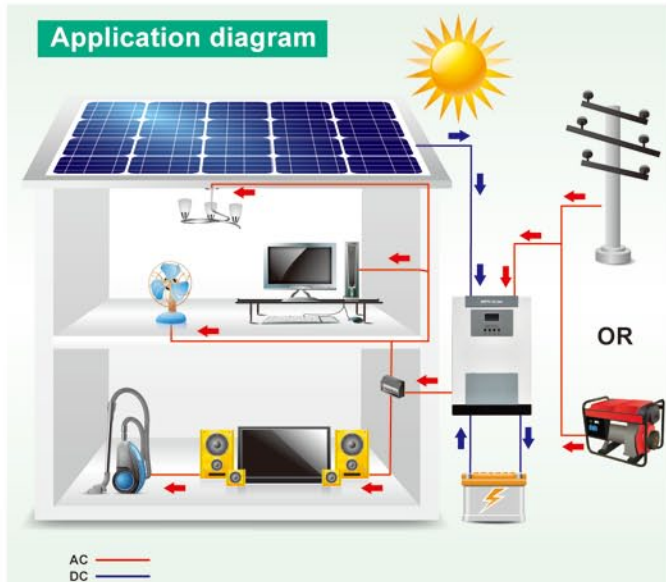
SP3000~SP5000 Initial-P/M

Specifications

MODEL	SP 1000 Initial-P	SP 2000 Initial-P	SP 3000 Initial-P	SP 5000 Initial-P	SP 3000 Initial-M	SP 5000 Initial-M
Rated Power	1000VA/ 1000W	2000VA/ 2000W	3000VA/ 3000W	5000VA/ 5000W	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	4000VA	10000VA	4000VA	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	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	
SOLAR CHARGER & AC CHARGER						
PV Maximum Input power	600W	1200W	1200W	2500W	1000W	3000W
Maximum PV Array Open Circuit Voltage	50VDC	60VDC	105Vdc	100VDC	145Vdc	
Operation Voltage Range	18~20Vdc	30~32Vdc	60~72Vdc	N/A	N/A	
PV Array MPPT Voltage Range	N/A	N/A	N/A	30~80Vdc	60~115Vdc	
Maximum Solar Charging Current	50A				40A	60A
Maximum AC Charging Current	20A	25A	60A	25A	60A	
Maximum Charging Current	50A	70A	110A	60A	120A	
PHYSICAL						
Dimension (D×W×H)	88×225×315 mm	100×285×334 mm	100×300×440 mm	100×285×334 mm	100×300×440 mm	
Net Weight	5kgs	5.5kgs	6.5kgs	9kgs	6.3kgs	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.

Application diagram



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