

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.

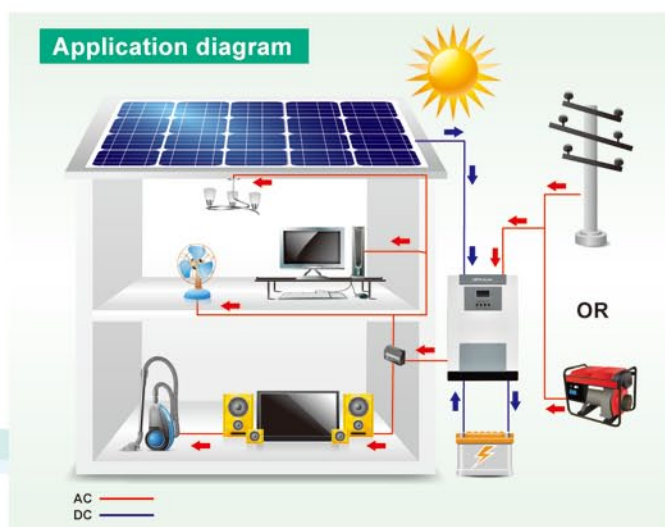
### Features

- 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~SP5000 Initial-P  
SP3000~SP5000 Initial-M

SP1000~SP2000 Initial-M



### Specifications

MODEL	SP1000 Initial-P	SP2000 Initial-P	SP3000 Initial-P	SP5000 Initial-P	SP1000 Initial-M	SP2000 Initial-M	SP3000 Initial-M	SP3000 Initial-M II	SP5000 Initial-M
Rated Power	1000VA/1000W	2000VA/2000W	3000VA/3000W	5000VA/5000W	1000VA/1000W	2000VA/2000W	3000VA/3000W	3000VA/3000W	5000VA/5000W
<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	6000VA	10000VA	2000VA	4000VA/6000VA	6000VA	6000VA	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	48 VDC	12 VDC	24 VDC	48 VDC	48 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC	54 VDC	13.5 VDC	27 VDC	54 VDC	54 VDC	54 VDC
Overcharge Protection	16 VDC	33 VDC	63 VDC	63 VDC	16 VDC	33 VDC	63 VDC	63 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>									
Maximum PV Array Open Circuit Voltage	50VDC	80VDC	105VDC	105VDC	102VDC	100VDC	145VDC	145VDC	145VDC
PV Maximum Input power	600W	1200W	1200W	2400W	500W	1000W	1000W	1500W	3000W
Operation Voltage Range	18~20VDC	30~32VDC	30~32VDC	60~72VDC	N/A				
PV Array MPPT Voltage Range	N/A	N/A	N/A	N/A	15~80VDC	30~80VDC	30~80VDC	60~115VDC	60~115VDC
Maximum Solar Charging Current	50A		40A						
Maximum AC Charging Current	20A	25A	60A	60A	20A	25A	60A	60A	60A
Maximum Charging Current	50A	70A	110A	110A	60A	60A	60A	120A	120A
<b>PHYSICAL</b>									
Dimension (D×W×H)	88×225×315mm		100×285×334mm	100×300×440mm	88×225×315mm		100×285×334mm	100×300×440mm	
Net Weight	4.4kgs	5kgs	6.5kgs	9kgs	4.4kgs	5kgs	6.3kgs	9.5kgs	9.7kgs
<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.

OPTI-Solar Asia:  
Tel: +886-2-2246-7272  
Fax: +886-2-2246-7312  
info@opti-solar.com

OPTI-Solar USA:  
Tel: +1-909-869-5700  
Fax: +1-909-869-5730  
info@opti-solar.com

OPTI-Solar Middle East:  
Tel: +9714-8819-838  
Fax: +9714-8819-938  
info@opti-solar.com

OPTI-Solar Europe B.V.:  
Tel: +31-40-2628057  
Fax: +31-402546006  
info@opti-solar.com