

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

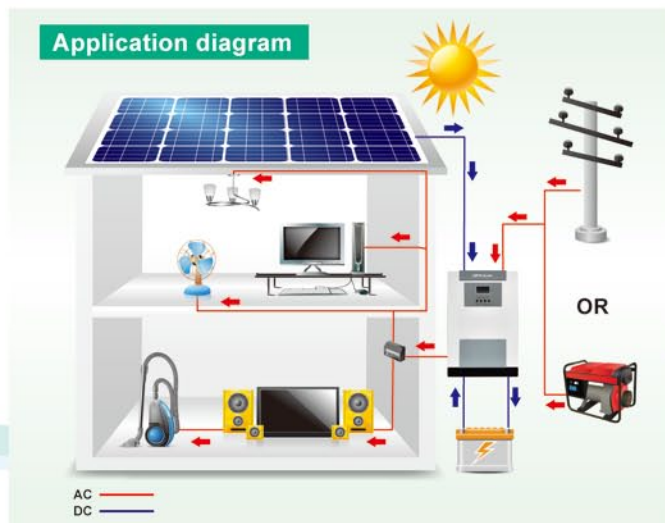
- Pure sine wave inverter with PF1
- Selectable high power charging current
- Compatible to mains voltage or generator power
- Smart battery charger design for optimized battery performance
- Built-in solar charge controller
- Overload and short circuit protection
- Smart battery charger design for optimized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



SP1000~SP5000 Initial-P
SP3000~SP5000 Initial-M

SP1000~SP2000 Initial-M

Application diagram



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
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	10000VA	2000VA	4000VA	4000VA	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	12 VDC	24 VDC	48 VDC	48 VDC	48 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC	13.5 VDC	27 VDC	54 VDC	54 VDC	54 VDC	54 VDC
Overcharge Protection	16 VDC	33 VDC	63 VDC	16 VDC	33 VDC	63 VDC	63 VDC	63 VDC	63 VDC
SOLAR CHARGER & AC CHARGER									
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	1000W	3000W
Operation Voltage Range	18~20VDC	30~32VDC	30~32VDC	60~72VDC	N/A	N/A	N/A	N/A	N/A
PV Array MPPT Voltage Range	N/A	N/A	N/A	N/A	15~80VDC	30~80VDC	30~80VDC	30~80VDC	60~115VDC
Maximum Solar Charging Current	50A		50A		40A		40A		60A
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
PHYSICAL									
Dimension (D×W×H)	88×225×315mm		100×285×334mm		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
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.

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