

SP1200-5000 Handy

# SP Handy Series

An advanced and easy-to-use Solar inverter with energy exchange functions, and its anti-dust filter design that helps to increase its lifespan.

Battery-free operation available and high PV input voltage.



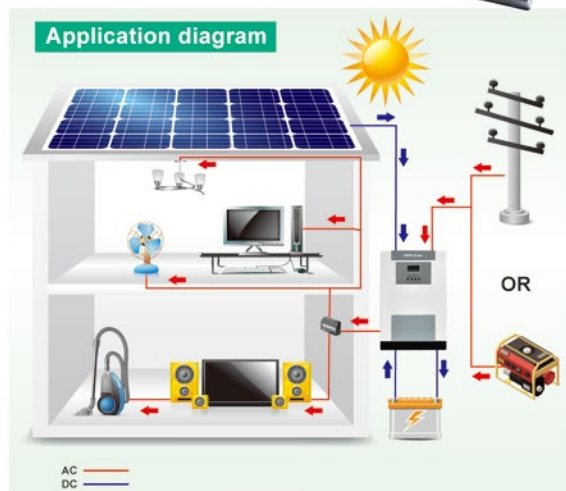
BMS



Wi-Fi

### Features

- High PV input range
- Feasible for without-battery operation
- Pure sine wave inverter with PF1
- Selectable high power charging current
- Compatible with mains or generator power
- Built-in MPPT solar charger
- Overload and short circuit protection
- Support Battery Management System (BMS)
- Cold start function
- The Anti-Dust Filter design can increase the lifespan



### Specifications

MODEL	SP1200 Handy	SP2500 Handy	SP3000 Handy	SP5000 Handy
Rated Power	1200VA/1200W	2500VA/2500W	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	2400VA	5000VA	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	24 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	27 VDC	54 VDC
Overcharge Protection	16 VDC	33 VDC	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Maximum PV Input Power	2000W	3000W		5000W
Maximum PV Array Open Circuit Voltage	350Vdc	450Vdc		500Vdc
PV Array MPPT Voltage Range	30 ~ 300Vdc	30 ~ 400Vdc		120~450Vdc
	30 ~ 60Vdc with battery connected only			
Maximum Solar Charging Current	100A		100A	
Maximum AC Charging Current	80A		100A	
Maximum Charging Current	100A		100A	
Maximum PV Input Current	13A		18A	
<b>PHYSICAL</b>				
Dimension (D × W × H)	90 x 288 x 357mm		110 x 288 x 390mm	100 x 300 x 440mm
Net Weight	6.5kg	7kg	7.2kg	10kg
<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.

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