

SP4000-6000 Handy Plus

## SP Handy Plus Series

Detachable LCD screen design with full information.

Easily access the DATA via its Wi-Fi function.

BMS communication for better battery management.



### Features

- Dual output design
- High PV input range
- Pure sine wave inverter
- Selectable high power charging current
- Compatible with mains or generator power
- Built-in solar charge controller
- Overload and short circuit protection
- Smart battery charger design for battery performance optimization
- Cold start function
- Wi-Fi function
- Detachable LCD display



Dual Output



Detachable LCD Display



BMS



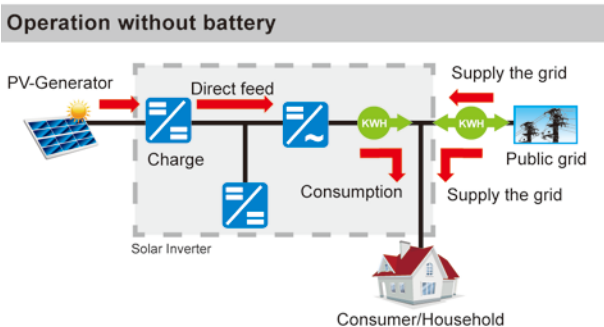
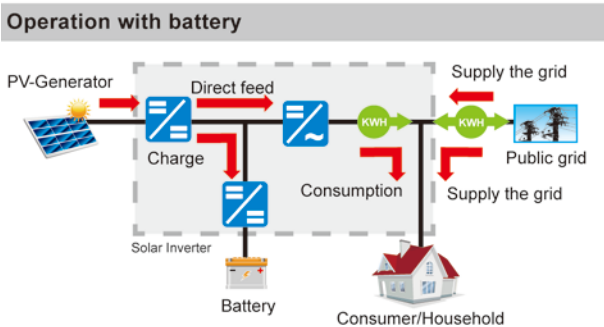
Wi-Fi

### Specifications

MODEL	SP4000 Handy Plus	SP6000 Handy Plus
Rated Power	4000VA/4000W	6000VA/6000W
<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	2 rated power for 5 seconds	
Peak Efficiency	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Maximum PV Array Power	5000W	6000W
Maximum PV Input Current	27A	
Maximum PV Input Short Circuit Current	30A	
Maximum PV Array Open Circuit Voltage	500Vdc	
PV Array MPPT Voltage Range	60~450Vdc	
Maximum Solar Charging Current	120A	
Maximum AC Charging Current	100A	
Maximum Charging Current	120A	
<b>PHYSICAL</b>		
Dimension (D x W x H)	115 x 300 x 435mm	
Net Weight	9kg	10kg
Communication Port	RS232/USB/Dry-contact/BMS/Wi-Fi	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C ~ 55°C	

Specifications are subject to change without notice.

### Operation Diagram:



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