

SP4000-6000 Handy Plus

SP Handy Plus Series

High PV input current 40A with MC4 input design.
Friendly for PV installation.



Detachable
LCD Display



BMS



Wi-Fi

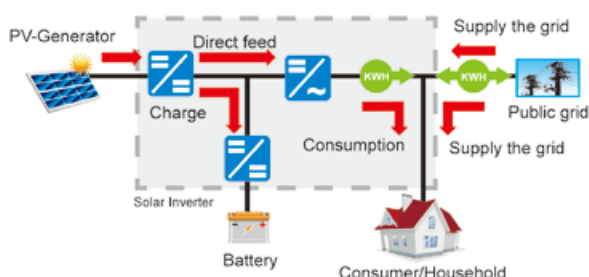


Features

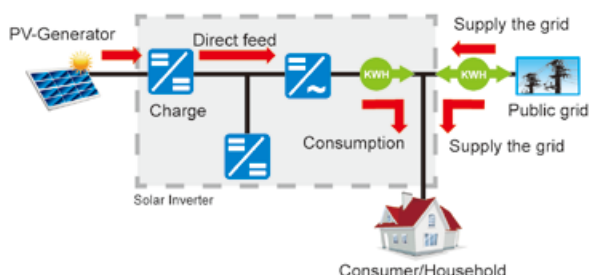
- Wide PV input range
- Feasible for without-battery operation
- Pure sine wave inverter
- Selectable high power charging current up to 120A
- Compatible to mains voltage or generator power
- Smart battery charger design for optimized battery performance
- Built-in MPPT solar charge controller
- Built-in anti-dust Kit
- BMS & Wi-Fi function (APP)

Operation Diagram:

Operation with battery



Operation without battery



Specifications

MODEL	SP4000 Handy Plus	SP6000 Handy Plus
Rated Power	4500VA/4500W	6500VA/6500W
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	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	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	6500W	8500W
Maximum PV Input Current	40A	
Maximum PV Array Open Circuit Voltage	500Vdc	
PV Array MPPT Voltage Range	60~450Vdc	
Maximum Solar Charging Current	120A	
Maximum AC Charging Current	120A	
Maximum Charging Current	120A	
PHYSICAL		
Dimension (D×W×H)	115 × 300 × 435mm	
Net Weight	11.8kgs	12.8kgs
Communication Port	RS232/USB/Dry-contact/BMS/Wi-Fi	
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.

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