

SP6000 ~ 8000 Handy Ultra

SP Handy Ultra Series

High output capacity perfectly for the inductive loads.

Unique function of easy replaceable Fan effectively extend the life span.



Features

- High PV input range
- Feasible for without-battery operation
- Built-in anti-dust kit
- Selectable high power charging current
- Compatible to mains voltage or generator power
- Replaceable fan design for ease of maintenance
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- WiFi function
- Detachable LCD display
- Parallel operation up to 6 units



RGB Light

Different color to present output source from PV, Grid or battery and battery charge / discharge status.



Detachable LCD Display



WiFi Function

Communication for Remote panel.



Anti-dust Filter Design

Increase product reliability in harsh environment, and prevent excessive dust from entering the inside of the inverter that would reduce its lifecycle.



Parallel operation

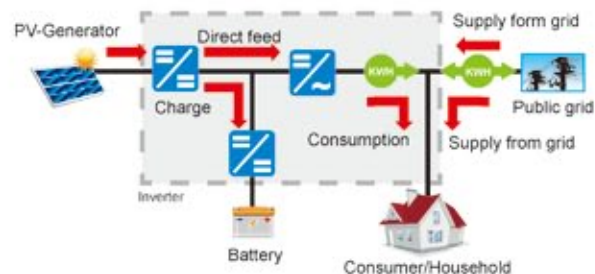
Maximum 6 units in parallel

Operation Diagram:

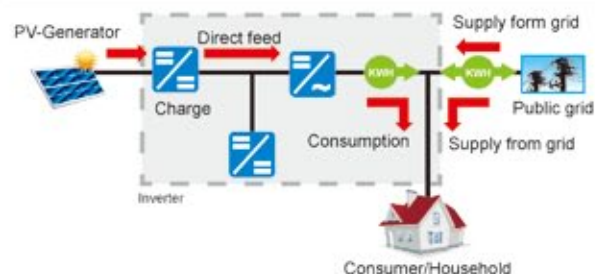
Solar inverter could simultaneously connect to the city power and solar panels and operate without interference from one another. The inverters are able to operate normally.



Operation with battery



Operation without battery

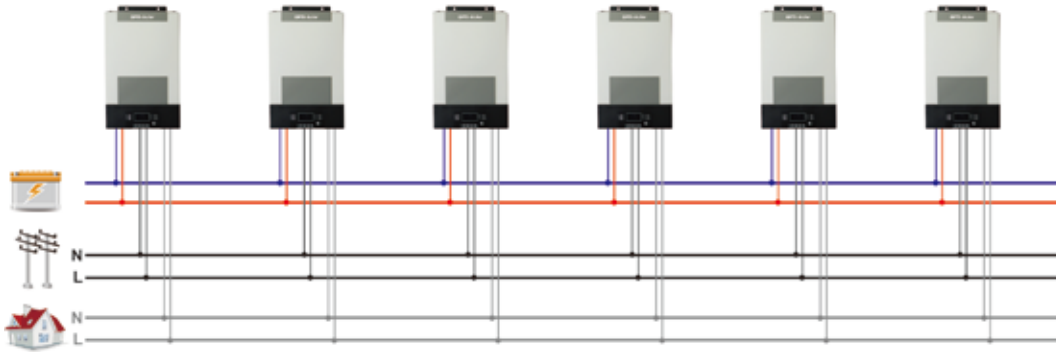


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Parallel Operation

Maximum 6 units in parallel



Specifications

MODEL	SP6000 Handy Ultra	SP8000 Handy Ultra
Rated Power	6000VA/6000W	8000VA/8000W
INPUT		
Voltage	120 VAC	230 VAC
Selectable Voltage Range	90-140 VAC (For Personal Computers) 80-140 VAC (For Home Appliances)	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/ 60 Hz (Auto sensing)	50 Hz/ 60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)	120VAC ± 5%	230VAC ± 5%
Surge Power	12000VA	16000VA
Peak Efficiency	93%	
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	66 VDC	
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	8000W (4000W MPPT×2)	
Maximum PV Array Open Circuit Voltage	250Vdc	500Vdc
PV Array MPPT Voltage Range	90~230Vdc	90~430Vdc
Maximum Solar Charging Current	120A	120A
Maximum AC Charging Current	120A	120A
Maximum Charging Current	120A	120A
PHYSICAL		
Dimension (D×W×H)	147.5×432.5×553.5mm	
Net Weight	18.4kgs	
Communication Port	RS232/USB/Dry-contact/Bluetooth	
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 notices.

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