

SP3500-5500 Handy

SP Handy Series

Dual AC outlet design that improves power distribution.



Dual Output



Touchable Button



BMS



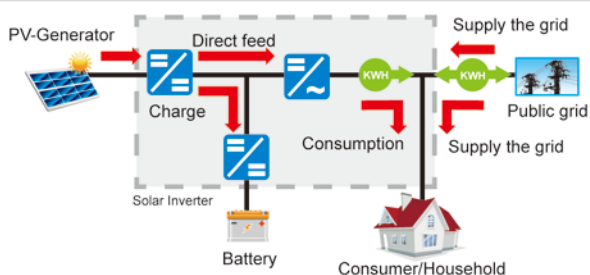
Wi-Fi

Features

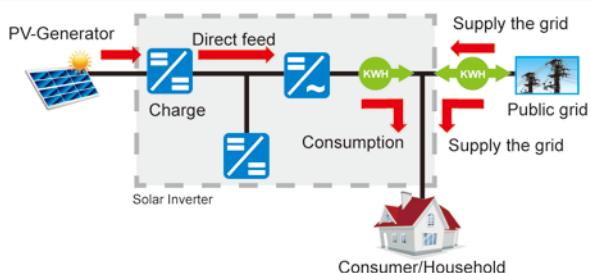
- High PV input range
- Feasible for without-battery operation
- Pure sine wave inverter
- Selectable high power charging current
- Compatible with mains or generator power
- Smart battery charger design for battery performance optimization
- Built-in MPPT solar charge controller
- Overload and short circuit protection
- Cold start function
- Dual AC output design

Operation Diagram:

Operation with battery



Operation without battery



Specifications

MODEL	SP3500 Handy	SP5500 Handy
Rated Power	3500VA/3500W	5500VA/5500W
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	7000VA	11000VA
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	32 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	5000W	6000W
Maximum PV Array Open Circuit Voltage	500Vdc	
Maximum PV Array Current	30A	
PV Array MPPT Voltage Range	60~450Vdc	
Maximum Solar Charging Current	100A	
Maximum AC Charging Current	100A	
Maximum Charging Current	100A	
Maximum PV Input Current	27A	
Maximum PV Input Short Circuit Current	30A	
PHYSICAL		
Dimension (D×W×H)	107 × 323 × 420mm	
Net Weight	9.5kg	10.5kg
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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