

SP3500 ~ 5500 Handy

SP Handy Series

Dual AC outlet design that improves power distribution.



Dual AC Output



Anti-dust Filter Design



Smart battery charger design



High Power Charging Current

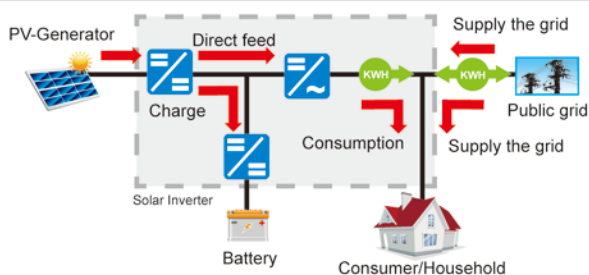


Features

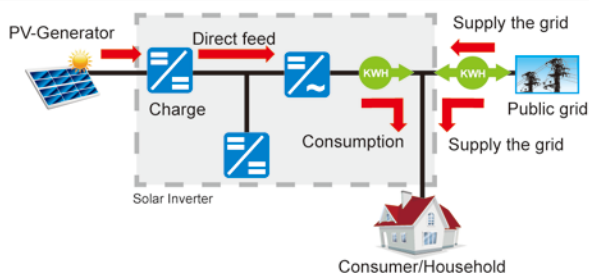
- High PV input range
- Feasible for without-battery operation
- Pure sine wave inverter
- Selectable high power charging current
- Compatible with mains or generator power
- Smart battery charger design for battery performance optimization
- Built-in MPPT solar charge controller
- Overload and short 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		
PHYSICAL			
Dimension (D×W×H)	107 × 323 × 420mm		
Net Weight	9kgs		
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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