

SP3000 ~ 5000 Handy

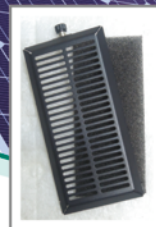
SP Handy Series

Mighty Solar Inverter with user-friendly, advanced & energy-exchange functions

Operation without battery & High PV input voltage

Installers are smiling !!

The Anti-Dust-Filter design can realistically raise the life-span.



Anti-Dust-Filter Design

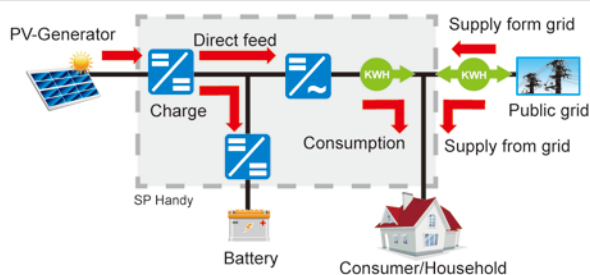


Features

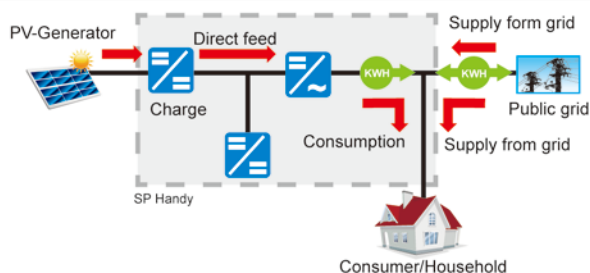
- Pure sine wave inverter with PF1
- High PV input range
- Feasible for without-battery operation
- Selectable high power charging current
- Compatible to mains voltage or generator power
- Smart battery charger design for optimized battery performance
- Built-in solar charge controller
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- The Anti-Dust-Filter design can realistically raise the life-span

Operation Diagram:

Operation with battery



Operation without battery



Specifications

MODEL	SP 3000Handy	SP 5000Handy
Rated Power	3000VA/3000W	5000VA/5000W
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	6000VA	10000VA
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		
PV Maximum Input power	4000W	5000W
Maximum PV Array Open Circuit Voltage	500Vdc	
PV Array MPPT Voltage Range	120~450Vdc	
Maximum Solar Charging Current	80A	
Maximum AC Charging Current	60A	
Maximum Charging Current	80A	
PHYSICAL		
Dimension (D×W×H)	100 x 300 x 440mm	
Net Weight	9kgs	10kgs
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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