

SP3000 Handy ~ 5000 Handy

SP Handy Series

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

Operation without battery & High PV input voltage

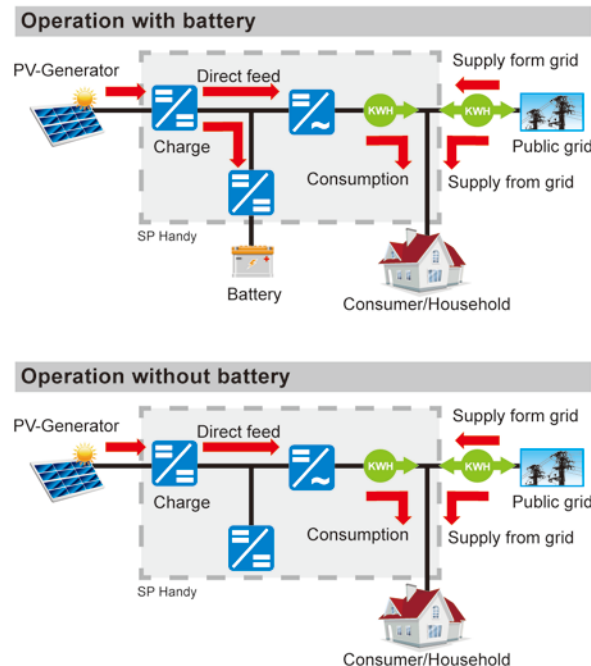
Installers are smiling !!



Features

- High PV input range
- Feasible for without-battery operation
- Pure sine wave inverter
- 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

Operation Diagram:



Specifications

MODEL	SP3000 Handy	SP5000 Handy
Rated Power	3000VA/2400W	5000VA/4000W
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		
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 × 300 × 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.

