

SP3000 Handy ~ 5000 Handy

## SP Handy Series

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

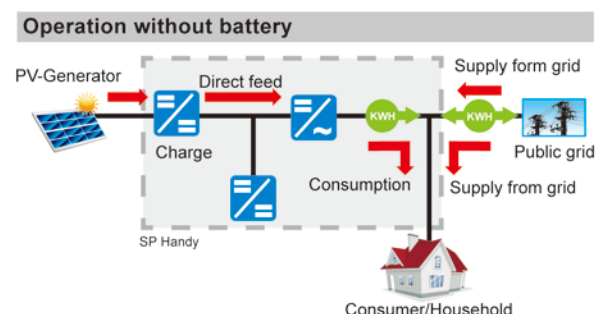
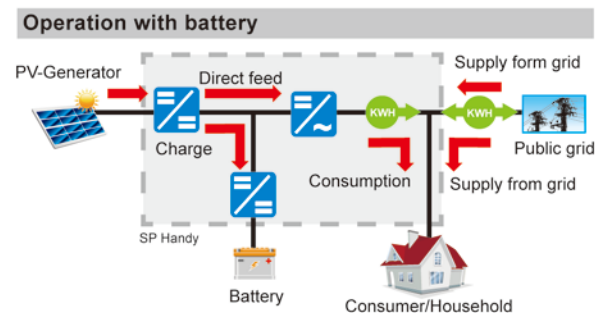
*Operation without battery & High PV input voltage*

*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.

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