

SP3000 Handy ~ 5000 Handy

## SP Handy Series

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

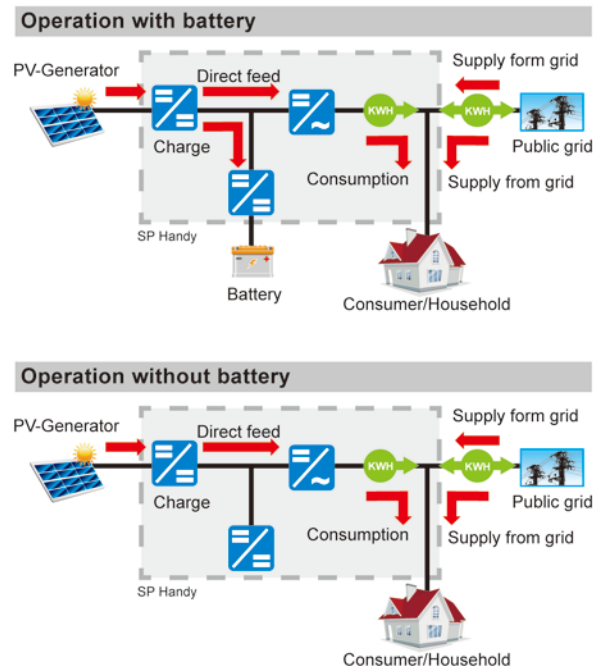
*Operation without battery & High PV input voltage*

*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
<b>INPUT</b>		
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)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	2000VA	
Peak Efficiency	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
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	
<b>PHYSICAL</b>		
Dimension (D×W×H)	100 × 300 × 440mm	
Net Weight	9kgs	10kgs
<b>OPERATING ENVIRONMENT</b>		
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.

OPTI-Solar Asia:  
Tel: +886-2-2246-7272  
Fax: +886-2-2246-7312  
info@opti-solar.com

OPTI-Solar USA:  
Tel: +1-909-869-5700  
Fax: +1-909-869-5730  
info@opti-solar.com

OPTI-Solar Middle East:  
Tel: +9714-8819-838  
Fax: +9714-8819-938  
info@opti-solar.com

OPTI-Solar SENA:  
Tel: +39 389 842847  
Fax: +39 011 19785932  
info@opti-solar.com