

SP3000 Handy Plus ~ 5000 Handy Plus

SP Handy Plus Series

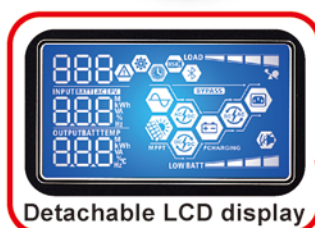
Unique design detachable LCD display with comprehensive information

Easily accessible DATA via Bluetooth interface

User-friendly for the beginners

Features

- High PV input range
- 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
- Bluetooth function
- Detachable LCD display



Detachable LCD display



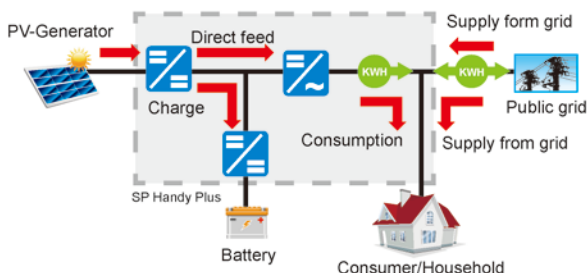
Specifications

MODEL	SP3000 Handy Plus		SP5000 Handy Plus	
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				
Maximum PV Array 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)	115×300×400mm			
Net Weight	9kgs		10kgs	
Communication Port	RS232 / USB / Dry-contact / Bluetooth			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C ~ 55°C			
Storage Temperature	-15°C ~ 60°C			

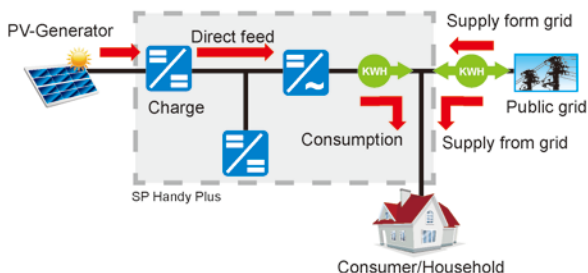
Specifications are subject to change without notices.

Operation Diagram:

Operation with battery



Operation without battery



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