

SP1200-6000 Handy

SP Handy Series

An advanced and easy-to-use Solar inverter with energy exchange functions, and its anti-dust filter design that helps to increase its lifespan.

Battery-free operation available and high PV input voltage.



Dual Output
(Only for SP4000/6000 Handy)



BMS



Wi-Fi

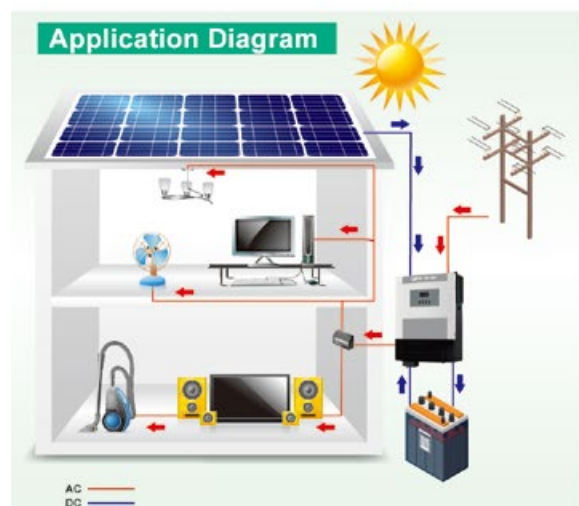


SP1200- 2500 Handy

SP4000- 6000 Handy

Features

- High PV input range
- Feasible for without-battery operation
- Pure sine wave inverter
- Selectable high power charging current
- Built-in Grid feed-in function
- Smart battery charger design for optimized battery performance
- Built-in Wi-Fi & BMS communication
- Overload and short circuit protection
- Dual outputs for 4-6K models



Specifications

MODEL	SP1200 Handy	SP2500 Handy	SP4000 Handy	SP6000 Handy
Rated Power	1200VA/1200W	2500VA/2500W	4000VA/4000W	6000VA/6000W
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	2400VA	5000VA	8000VA	12000VA
Peak Efficiency	93%			
Transfer Time	10 ms (For Personal Computers)			
	20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	12 VDC	24 VDC		48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC
Overcharge Protection	16 VDC	33 VDC		63 VDC
SOLAR CHARGER & AC CHARGER				
Maximum PV Input Power	2000W	3000W	5000W	6500W
Maximum PV Array Open Circuit Voltage	350Vdc	450Vdc		500Vdc
PV Array MPPT Voltage Range	30 ~ 300Vdc	30 ~ 400Vdc	30 ~ 450Vdc	90~450Vdc
	30 ~ 60Vdc with battery connected only			
Maximum PV input current	13A		18A	
Maximum Solar Charging Current	100A		120A	100A
Maximum AC Charging Current	80A		100A	100A
Maximum Charging Current	100A		120A	100A
PHYSICAL				
Dimension (D × W × H)	90 × 288 × 357mm		115 × 300 × 435mm	
Net Weight	6.5Kg	7Kg	9kgs	10.4kgs
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 notice.

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