



HYBRID INVERTER & CHARGER

MULTIFIT

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China



Inverter & Charger

Product Characteristic

- USB Output and Mobile charge
- High Efficiency/Energy Saving
- Low self-Consumption below 1.2A.It can reach zero at energy saving mode.
- Make sure the load capacity is above 200W.or the inverter can not be restarted automatically
- Leading energy saving technology
- With the AVR function.AC voltage fluctuated is within +5%
- Pure sine wave
- Extreme overload capacity and super load capacity
- Working Appliance:Air-conditioners.refrigerators.water pumps.TV.Light.fans and other household appliances and office appliances etc.
- Durable. LF transformer technology design.it is suitable for the poor working conditions or where the grid power is not stable
- LCD display /Digitized Display optional
- DC reverse polarity protection

Performance Characteristic

- CPU Technology control
- Big Charging current. up to 70Amp.
- LCD display /Digitized Display optional: Grid powe.battery.AC output.Fault.Saving.
- Low voltage.Charging.
- Charging curren.Battery capacity.
- Intelligent battery management for maximum battery life
- Automatically switch between the grid and inverter mode
- Transfer time is below 4 ms if the grid power are cut off
- 220V/110V AC 50/60Hz is optional

It can work with the generator
Intelligent fan control mode.The fan work at Temperature $\geq 30^{\circ}\text{C}$.the inverter will protect by itself at temperature $\geq 100^{\circ}\text{C}$

Technical Data (Powersun Series)

Model		500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Rated Power		500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Input	Voltage	AC165-275V / 85-135V							
	Frequency	40-65HZ							
Output	Voltage	220/230/240V (110/115/120V) Adjustable							
	Frequency	50HZ-60HZ Adjustable							
	Waveform	Pure Sine Wave							
	THD	$\leq 3\%$							
	Efficiency	$\geq 80\%$							
Battery	Type	Optional							
	Rated Voltage	DC12V	DC24V			DC48V			
	Charging Current	0-30A Optional							
Protection		Over Temperature/Over Load/ Battery Discharge Voltage/ Battery Over Voltage/AC Input High Voltage /Low Voltage Protection							
Operating Mode		Normal, Energy Saving							
Transfer Time		$\leq 10\text{ms}$							
On Load Capacity		100%-120% 30s Protection, 125%-140% 15s Protection, $\geq 150\%$ 5s Protection							
Operating Range	Temp.	$0^{\circ}\text{C}-50^{\circ}\text{C}$							
	Humidity	10%-90% (No Condensing)							

Battery Input Line Configuration

Model \ DC	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
12V	10 mm ²	16 mm ²	—	—	—	—	—	—
24V	—	—	16 mm ²	16 mm ²	25 mm ²	—	—	—
48V	—	—	—	—	—	16 mm ²	25 mm ²	25 mm ²

AC110V Input and Output Wire Configuration

Model \ LINE	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
	110VAC	110VAC	110VAC	110VAC	110VAC	110VAC	110VAC	110VAC
L- IN	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
N- IN	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
Ground Wire	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
L-OUT	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
N-OUT	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²

AC220V Input and Output Wire Configuration

Model \ LINE	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
	200VAC	220VAC	220VAC	220VAC	220VAC	220VAC	220VAC	220VAC
L- IN	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
N- IN	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
Ground Wire	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
L-OUT	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
N-OUT	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²

Factory real shot



Remarks:

Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice, the specifications may deviate slightly and are not guaranteed.

The data do not refer to single module of contract and they are not part of the offer, they only serve for comparison to different module types

Solar Projects (500W-3KW Solar System)



Solar Projects (5KW-10KW Solar System)

