



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 $\pm 5\%$
- 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 power.battery.AC output.Fault.Saving.
- Low voltage.Charging.
- Charging current.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 $\geq 100^{\circ}\text{C}$.

Solar off-grid system

Bright lights, mechanical operation, starting from the inverter!



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Technical Data [POWERSUN Series]

Model		500W	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW
Rated Power		500W	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW
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	≤3%									
	Efficiency	≥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		≤10ms									
On Load Capacity		100%-120% 30s Protection, 125%-140% 15s Protection, ≥150% 5s Protection									
Operating Range	Temp	0°C-50°C									
	Humidity	10%-90% (No Condensing)									



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.



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