



HOT Pure sinusoidal solar power frequency inverter  
SALE Intelligent robot horizontal series ST (1KW-6KW)



### Features and function

- 1, circular pure copper transformer, sine wave output;
- 2, DSP high-speed digital processing, large capacity CPU control management, intelligent control, modular structure.
3. The combination of LCD and LED shows that the function parameters can be adjusted, the operation is convenient and the display is intuitionistic,
- 4, the frequency range 45Hz-65Hz, according to the user load equipment to automatically identify;
- 5, the working mode is optional
- 6, low air consumption, the air loss of sleeping mode is as low as 5W, which is the best choice of solar energy inverter for wind energy / solar power generation system.
- 7, high conversion efficiency, the efficiency of the inverter is about 90%.
- 8, lead-acid batteries and lithium batteries are optional
- 9, charge current can be adjusted, divided into three stalls
- 10, load carrying capacity and strong resistance to load, instant start power is 3 times the rated power.
- 11, the national joint guarantee: the entire machine 2 years, free maintenance for life, providing OEM OEM services;



### Installation attention

1. There must be good ventilation, water away, flammable gas and preservative in the area where the inverter is placed.
- 2, the side panel fan ventilation holes, outlet holes and side outlets of the products should be maintained smoothly.
- 3, the ambient temperature of the inverter should be kept at 0 -40 C.
- 4, do not connect the inverter output directly to the market.
- 5, when the load is connected with the inverter, the load must be switched off, then the wiring will be connected, and then the load will be opened one by one.

### Applicable scope

- 1, RV, ambulance, family, business, industry, outdoor, military and other environment and equipment;
2. The mobile or standby power supply in the area without city electricity;
3. Pure off net solar or wind power system;
- 4, the solar power or wind power generation system with priority of municipal power.
- 5, inverter priority solar or wind power generation systems;
6. It is suitable for all inductive loads, capacitive loads and resistive loads: pumps, generators, cutting machines, electric exercises, air conditioners, refrigerators, washing machines, TV sets and so on.



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### Technical specifications

Basic configuration		ST-102	ST-202	ST-302	ST-402	ST-502	ST-602
Model		ST-102	ST-202	ST-302	ST-402	ST-502	ST-602
MAXPOWER		1000W	2000W	3000W	4000W	5000W	6000W
Maximum output power		1000W	2000W	3000W	4000W	5000W	6000W
Maximum power of instantaneous output		3000W	6000W	9000W	12000W	15000W	18000W
Standard battery voltage		12VDC / 24VDC / 48VDC		24VDC / 48VDC / 60VDC / 72VDC			
Size Dimention		476*231*175 (D*W*Hmm)			476*231*175 (D*W*Hmm)		
Net Weight (kg)		12KG	17KG	20KG	30KG	32KG	35KG
Gross Weight (KG)		16KG	21KG	24KG	35KG	37KG	40KG
General-purpose configuration							
Input	City power input voltage range	(160-280) VAC					
	City power input frequency range	45Hz-65Hz					
Output	DC input voltage range	10.5VDC-15VDC (single cell voltage)					
	Invert output efficiency	Invert efficiency 90%					
	Inverter output voltage	220VAC + 1% (battery mode)					
	Inverter output frequency	Intelligent identification 50Hz/60Hz					
	Inverter output waveform	Pure sine wave					
	Electric output voltage range of city	220VAC + 10%					
Overvoltage protection of battery	City electric output frequency range	Intelligent recognition					
	Overvoltage protection of battery	16.5V machine alarm, 17.5V shutdown protection, less than 15.5V automatic boot.					
Overload alarm	110% alarm on load, shutdown at one minute on 120% load, and shutdown in 3 seconds at 150% load. Automatically open the machine when the load is less than 98%						
Other protection	Battery under voltage protection, over voltage protection, short circuit protection, high input, low input protection, over temperature protection, etc.						
LCD Screen	Show the priority status of the market	City electricity work					
	Display the state of battery power	Battery power supply					
	Display the input voltage of the city	numerical value					
	Display the input frequency of the market	numerical value					
	Display AC output voltage	numerical value					
	Display output load	Percentage					
	Display battery voltage	Values and percentages					
	Display the internal temperature of the machine	numerical value					
	Display priority mode	On the display screen, you can choose the priority mode of electric power, battery priority					
	Display battery type	Lead-acid, lithium electricity					
Display charging current	Small, medium, high (optional Opening or closing)						