

# Pure Sine Wave Inverter

(TY-PSW-4000)



## Dear User:

This product is the latest product of our company's technological breakthrough, equipped with 12V and 24V intelligent identification system, which can automatically identify and match the battery voltage, when connected to the 12V battery, its rated power is 1200W, when connected to the 24V battery, its rated power can reach 2300W.

## Attention:

1. Installation and commissioning of this equipment should be carried out by professional electrical maintenance personnel who are familiar with the structure of the device and the dangers of operation.
2. Ensure that the air vents are smooth and the heat dissipation is good.
3. High-voltage hazards, please do not open the machine arbitrarily.
4. Use the original or the appropriate type of wires, to avoid melting of the wires due to the high current of the inverter.

## Protective function:

E1 Low voltage protection: lower than the minimum voltage value for normal operation of the inverter.

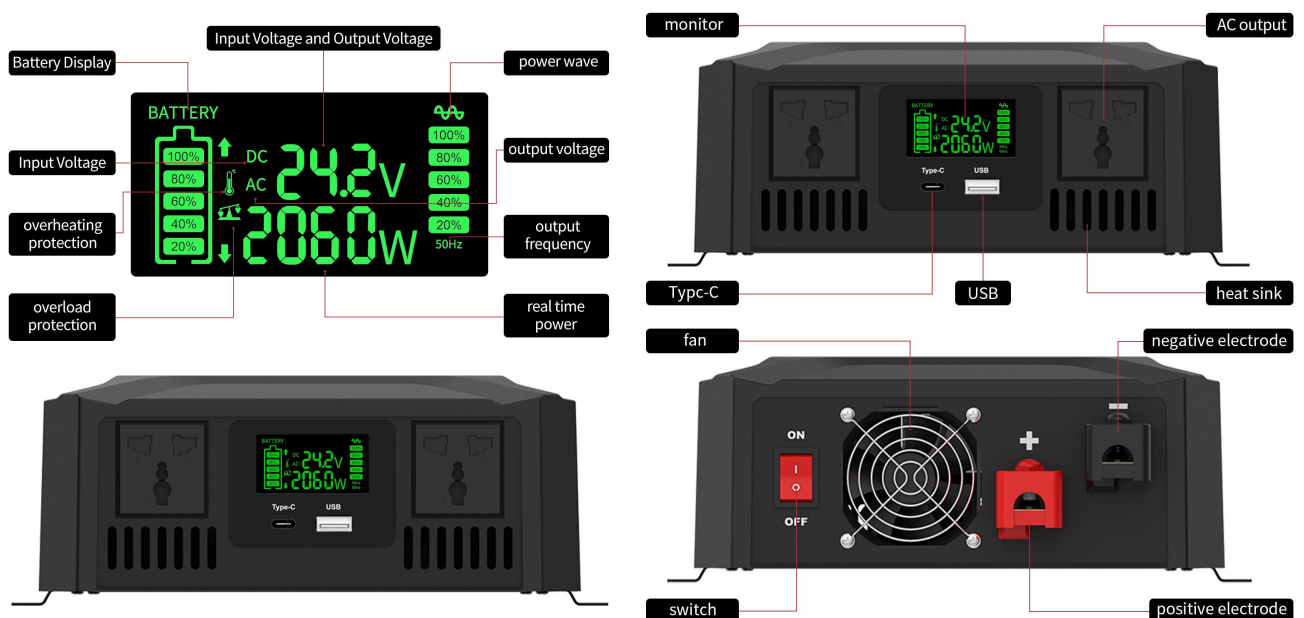
E2 Overload protection: the load exceeds the rated overpower.

E3 High voltage protection: higher than the maximum voltage value for normal operation of the inverter.

E4 High temperature protection: the temperature is higher than the maximum temperature that the inverter can bear.

E5 Short-circuit protection: the load electrical short-circuit, the inverter stops output.

## Panel Description:



Specification			
operating mode		12V Mode	24V Mode
exports	rating	1200W	2300W
	peak power	2000W	4000W
	output voltage	110V/220V/230V	
	Output Voltage Accuracy	±10V	
	Conversion efficiency	≥90%	
importation	voltage range	10-15. 7V	20-31. 5V
	No-load current	0. 35	0. 4
	dilapidation	<5W	<10W
	USB charging	Type-C、USB 5V2.1A	
protective function	Low Pressure Alarm Indication	10. 5V	21V
	low voltage protection	10V	20V
	high voltage protection	15. 7V	31. 5V
	overload protection	1200W	2300W
	Low Voltage Auto Recovery	13. 5V	27V
	High temperature protection	80°	80°
	short circuit protection	yes	yes
	Input reversal	Reconnect correctly	Reconnect correctly
malfunction alarm	buzzers	yes	yes
LCD display	Input Voltage, Output Voltage, Power, Capacity, Frequency, Waveform, Alarm Identification		
working environment	temp	-5°-40°	-5°-40°
	humidity level	≤90%	≤90%

Frequently Asked Questions and Solutions:

Subject to external interference:  
The inverter may be interfered by some strong electromagnetic waves in the use situation, such as nearby motors, power inverters, and strong magnetic fields.

The inverter does not respond:

- 1. battery and inverter not connected, reconnect.
- 2.The positive and negative terminals of the battery are reversed and the fuse is blown. Replace the fuse.

Low output voltage.

- 3. Overload, load current exceeds nominal current, turn off part of the load and restart.
- 4. The battery is dead and needs to be charged.
- 5. Battery voltage too low or poor contact, recharge, check battery terminals or clean terminals with dry cloth.

No output from inverter:

- 1. Battery voltage is too low, re-charge or replace the battery.
- 2. Load current is too high, turn off part of the load and restart the inverter.
- 3. Inverter over temperature protection. Let the inverter cool down for a while and put it in a ventilated place.
- 4. Inverter failed to start, restart.
- 5. Reverse terminal connection, reconnect correctly according to positive and negative poles.