

Pure Sine Wave Inverter

(DT-PSW-E123000)



Dear users:

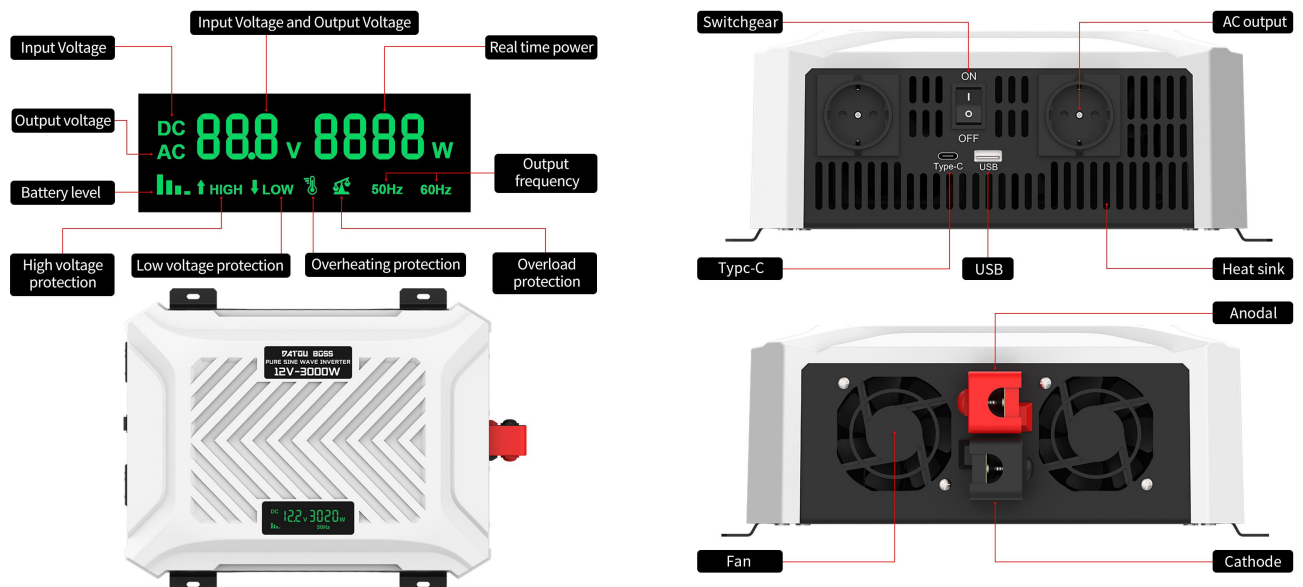
Hello, thank you for your support of DATOUBOSS inverter, this product model is DT-PSW-E123000, this model adopts centralized dual air ducts left and right uniform heat dissipation, reduce the MOS tube temperature, improve the conversion efficiency, from the previous single air ducts multi-group transformers in series revolutionized into a single transformer vertical multi-layer copper ring superposition of the winding method reduce copper loss magnetic loss, reduce heat, improve efficiency. Efficiency $\geq 90\%$.

Attention:

1. The 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 is dangerous, please do not open the machine at will.
4. Use the original or suitable type of wire to avoid the wire melting due to the excessive current of the inverter.

Alarm Icons	Protective function	Account for
↓ LOW	low voltage protection	Below the minimum voltage value for normal operation of the inverter.
	overload protection	Load exceeds rated overpower.
↑ HIGH	high voltage protection	Higher than the maximum voltage value for normal operation of the inverter.
	High temperature protection	The temperature is higher than the maximum temperature that the inverter can withstand.
- SC	short circuit protection	The load appliance is short-circuited and the inverter stops outputting.

Panel Description:



Specification			
model number	3000W	3500W	4000W
rating	3000W	3500W	4000W
peak power	6000W	7000W	8000W
output voltage	110V/220V/230V		
Output Voltage Accuracy	±10V		
Conversion efficiency	≥90%		
voltage range	12Vdc(10-16)/24Vdc(20-32)		
Low Pressure Alarm Indication	12V(10.5V±0.3)/24V(21V±0.3)		
low voltage protection	12V(10V±0.3)/24V(20V±0.3)		
high voltage protection	12V(16V±0.3)/24V(32V±0.3)		
Low Voltage Auto Recovery	12V(13V±0.3)/24V(26V±0.3)		
No-load current	2.3A		
USB charging	Type-C、USB5V2.1A		
Conversion efficiency	≥90%		
Waveform THD	≤3%		
short circuit protection	YES	YES	YES
buzzers	YES	YES	YES
LCD display	Input Voltage, Output Voltage, Power, Capacity, Frequency, Alarm Identification		
Maximum working temperature	80°C	80°C	80°C

Frequently Asked Questions and Solutions:

Interference from outside: The inverter may be interfered by some strong electromagnetic wave in the use occasion, such as the nearby motor, power inverter, strong magnetic field, etc.

The inverter does not respond:

1. The battery and the inverter are not connected, reconnect them.
 2. The positive and negative poles 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 is too low or poor contact, recharge, check the battery terminals or clean the terminals with a 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.