

DATOUBOSS®
Pure Sine Wave
Inverter Multi
Functional Intelligent
LCD Display



DATOUBOSS Pure Sine Wave Inverter Multi Functional Intelligent LCD Display Owner's Manual

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DATOUBOSS Pure Sine Wave Inverter Multi Functional Intelligent LCD Display



Specifications

- Professional supplier of inverter equipment

- Pure sine wave inverter
- Intelligent multifunctional LCD display

Product Usage Instructions

Appearance Instructions

This inverter features:

- Output socket
- Intelligent display
- Inverter switch
- LED switch indicator
- Radiator fan
- Positive battery terminal
- Negative battery terminal

Appearance Instructions

Components include:

- Output socket
- Inverter switch
- Radiator fan
- Positive battery terminal
- Negative battery terminal

Appearance Instructions

Highlighted features:

- Intelligent display
- Positive battery terminal
- Negative battery terminal
- Inverter switch
- Output socket
- Radiator fan

LCD Display Features

The LCD display shows:

- Input DC voltage display
- Output power display
- Output voltage display
- DC indicator display
- Power indicator display
- Rotation frequency and temperature display

Compact Version Usage

Note for compact version users:

- This device does not support reverse connection; ensure correct polarity.
- Input voltage range: 12V (10-15.5V), 24V (20-31.5V), 48V (40-63V), 60V (50-77V), 72V (60-92V), 96V (80-125V)

Attention Points

Important considerations:

- The inverter utilizes SPWM technology and MCU microprocessor control for pure sine wave output.
- Strong adaptability to various loads including inductive, capacitive, resistive, and mixed loads.
- Equipped with perfect protection functions and an LCD display for clear status indication.

Pure sine-wave inverter

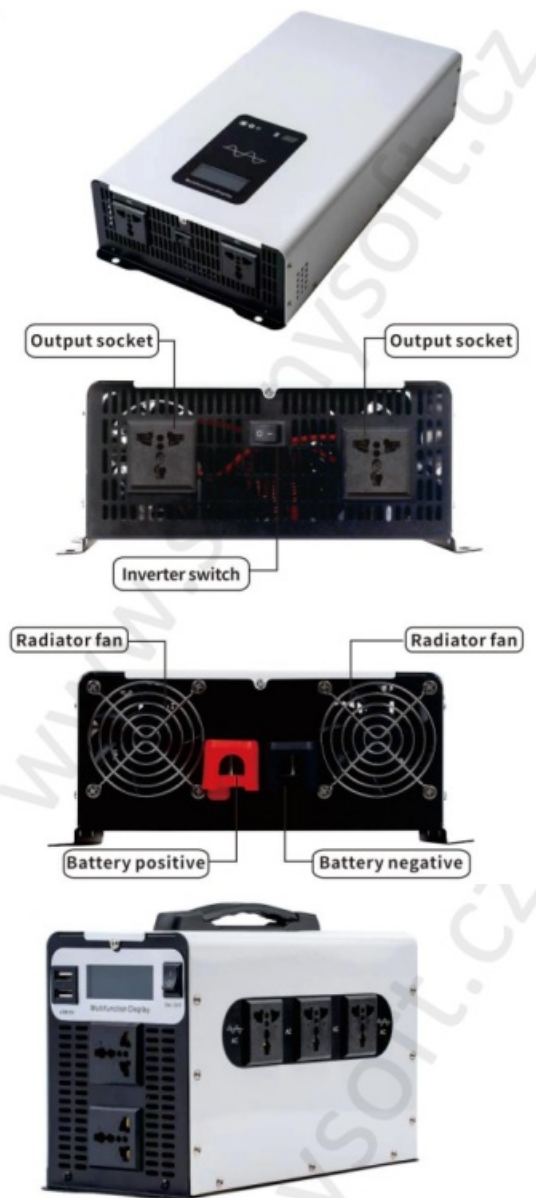
Multi-functional intelligent LCD display

- Inverter models is diverse, the pictures can not be displayed, if in doubt can contact customer service

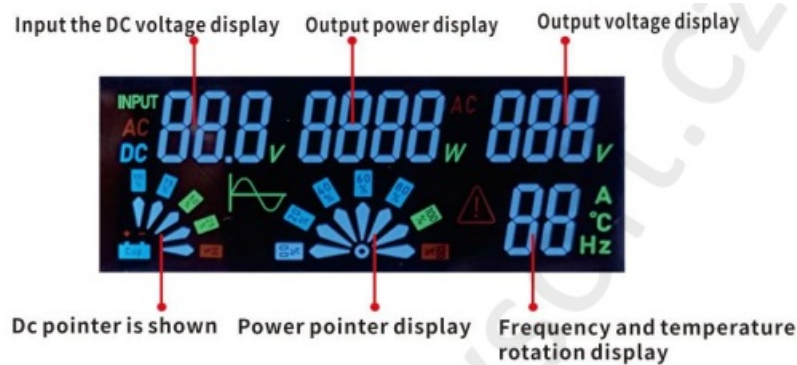
Appearance instructions



- The position of the terminal column panel of some models has been slightly changed, with the same function.



Liquid-crystal display



Defensive function

- E01 Short circuit function fault
- E02 Power supply input undervoltage fault prompt
- E03 High temperature protection tips
- E04 Overload protection tips
- E05 Overvoltage protection prompt
- E06 Front-stage power overload prompt

Wiring diagram



Use the Required Read (Compact Version)

1. This machine does not have the reverse connection function, the battery positive and negative lines can not be connected to the reverse, otherwise the inverter will be damaged.
2. When the inverter is not used, please close the inverter switch, so that the long time of power will affect the life of the internal components and lose the battery power.
3. 12V high voltage protection voltage is 15V, 24V high voltage protection voltage is 30V, and 48V high voltage protection voltage is 60V. Do not exceed this voltage, otherwise the inverter will protect it with high voltage and will not work.
4. If you want to lengthen the battery connection of the lead between the inverter will be thickened, such as 10 square line to use 20 square line. Otherwise, the current can not pass to carry the high power.
5. The battery is how many volt to use how many volt inverter, such as 12V battery to use a 12V inverter, a 24V battery to use a 24V inverter, a 48V battery to use a 48V inverter. Otherwise, the inverter will be damaged. be sure to keep in mind!!
6. The greater the battery installation, the greater the power used. The power of the battery installation is small.
7. Smart fans have 3 start-up modes
 1. The internal temperature reaches 45, and the intelligent fan starts.
 2. such as the use of high power, the intelligent fan straight turn, small power does not turn.

3. The intelligent upgraded version of the fan rotates according to the temperature in the inverter.
8. Voltage input range 12V(10-15.5V) 24V(20-31.5V) 48V(40-63V) 60V(50-77V) 72V(60-92V) 96V(80-125V)

Matters needing attention

- The installation and commissioning of the equipment shall be carried out by professional electrical maintenance personnel familiar with the structure and operation hazards of the device.
- Failure to comply with this precaution may cause physical injury. • Do not connect this equipment to the civil power distribution box, such as home lines.
- The inverter should be away from water, avoid water droplets on the machine or gradually above, do not use wet hand plug or unplug.
- If the inverter is in a cool environment, the appropriate temperature should be -20 degrees Celsius ~50 degrees Celsius, avoiding direct sunlight and hot air vents.
- Inverters should be kept away from flammable substances, or where flammable gases are accumulated.
- After long-term use, the inverter will heat, so avoid close to heat-sensitive substances.
- Ensure smooth ventilation and good heat dissipation.
- High pressure danger, please do not open this machine.
- Use the right type of wire to avoid fuse because of excessive inverter current.
- Make sure the inverter connects the correct battery, otherwise it will fuse the fuse of the inverter. Turn off the switch when the machine is not in use.
- Please turn off the switch and clean with a dry cloth before cleaning. Do not use a wet cloth or cleaning agent.

Product characteristics

- The inverter adopts the SPWM technology of MCU micro-processing control, pure sine wave output and pure waveform.
- The unique dynamic current loop control technology ensures the reliable operation of the inverter. Strong load adaptability, including inductive load, capacitive load, resistive load, mixed load.
- Strong overload and impact resistance. With input overvoltage, undervoltage, overload, overheating, output short circuit and other perfect protection functions.
- Sinusoidal inverter adopts LCD liquid crystal display mode, the state is clear at a glance. Stable performance, safe and reliable, long service life.

Quality Assurance Card

- Pure sine wave inverter must be strictly checked before leaving the factory to ensure good quality. We assure you that the machines listed in the card have good performance and complete parts.
- One year free warranty, as follows:
- (-)During the one-year warranty period for the purchase of the machine, if any damage or failure occurs, the machine will be provided free of charge to repair and replace the parts, and the damaged parts will be returned to our company.
- (=)The warranty period will automatically expire if the machines specified in this guarantee card are in the following circumstances.
 1. Change of company trademark;

2. Damage caused by faulty operation, negligent use and force majeure;
 3. The company's technical personnel without authorization to repair, modify or alter, remove machine number or seal;
 4. Do not install according to the installation instructions provided by the original factory.
- (≡) Please keep this card properly and present the certificate and purchase receipt (invoice) to the technician at repair time.

User information sheet

User units	Contact Person
User address	Contact number
Distribution Unit	Postcode
Product model	Local number
Purchase time	Handling Personnel

Maintenance log

Date	Type of maintenance	Summary	Maintenance man	User signature

Note: please fill in the user information, copy one copy and seal it and send it back to our marketing department for filing.

FAQS

Q: Does the inverter support reverse polarity connection?

A: No, the inverter does not support reverse connection. Always ensure correct battery polarity.


Q: What is the input voltage range supported by the inverter?

A: The input voltage range varies based on the model: 12V (10-15.5V), 24V (20-31.5V), 48V (40-63V), 60V (50-77V), 72V (60-92V), 96V (80-125V).

Q: What kind of loads can the inverter handle?

A: The inverter has strong adaptability to various loads including inductive, capacitive, resistive, and mixed loads.

Documents / Resources

	<p>DATOUBOSS Pure Sine Wave Inverter Multi Functional Intelligent LCD Display [pdf] Owner's Manual</p> <p>Pure Sine Wave Inverter Multi Functional Intelligent LCD Display, Pure Sine Wave, Inverter Multi Functional Intelligent LCD Display, Multi Functional Intelligent LCD Display, Intelligent LCD Display, LCD Display, Display</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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