



Safety Notice

In order to avoid damage to you and others, here we list below safety notice, please make sure to obey and refer for the following meaning of the marks

Warn. Note: The mark means for mandatory item, The mark means for prohibited item

FLAMMABLE GASES
When connect with the battery will produce spark, connect the former to ensure that no flammable gas.
Battery charging, discharging will produce inflammable gases, should be well-ventilated, do not put in the place may accumulate flammable gases

FORBIDDEN
Output can not be parallel with the mains
Will damage the inverter and the danger of electric shock

FORBIDDEN
Minors can not use it
Output high voltage will cause a danger of electric shock

FORBIDDEN
When using this machine, please do not bundle wires, use the broken wire can cause electric shock, short circuit of fire

FORBIDDEN
Do not disassemble or remodel the inverter
Do not disassemble or remodel the inverter. Disassemble or modify unauthorized inverter may cause a malfunction or fire, electric shock

FORBIDDEN
Do not wet the airframe
Otherwise may lead to short circuit, even the fire and electric shock

FORBIDDEN
Do not place rod or other metal objects at vent or other openings
This may touch on the internal components to cause electric shock or injury

FLAMMABLE GASES
Put the plug of load of equipment full insert into an electrical outlet
Failure to fully insert the plug socket could lead to electric shock and overheating, even cause a fire accident. Do not use a damaged plug or loosed outlet

FORBIDDEN
Forbid wet hand
This may cause electric shock, prohibit wet hands

FORBIDDEN
KEEP AWAY FIRE
Do not let the volatile substances or combustible material floating into the machine, away from the flame

FORBIDDEN
Do not damage output sockets or wires
do not cut, remodel, close to the heat, over-distorted, reverse, wiring and pull wires, or placed outlet weight on wires or sockets

WARN

FORBIDDEN
Use inverter in common ground wire power system
If the output connect with the ground will cause inverter to short circuit and damage, for example: used in the car, the inverter's output terminal has the voltage reflected on the car body.

FORBIDDEN
In power, do not let the load and to type in the loop
Cause the overload protection circuit will invalidate or increase the overload protection power

FORBIDDEN
Do not install inverter worked in hot, humid environment
Inverter leakage may cause electric shock or fire caused by accident

FORBIDDEN
The inverters have not been tested for used in medical equipment

ATTENTION

In connection cable should be used to install the appropriate cable, if the 230V output cable is too long or the wire cross-sectional area is too small, will generate a large number of cable power loss, the load performance will be low power and low voltage.

If battery and inverter connection cable are not standardized, too long cable, too small cross-sectional, parts of contact too short, the inverter may not work but give an alarm, meanwhile cable must have waterproof, insulate strength to meet environment requires.

Operation tips

Rated current and the actual used equipment
The nominal current or power of most of electromotive tools, household appliances and audio-visual equipment, in the range of nominal power or much lower, but when they startup it will occur overload protection phenomenon. Inverter is most likely to drive resistive loads and switching power supply load, because the resistive load is linear load that can be work with full load. Such as electric stove, rice cooker, LCD TVs and other devices.
Some audio-visual equipment and electromotive tools need more power than the resistive load to work normally, an asynchronous motor, CRT TV, compressors, pumps and so on. They need 2 to 6 times of the operating current to start. Whether it can run a specific load depend on the subject test.

Note: continuous frequently on and off the inverter may cause the damage.

Applied to the following products:

For lamp, electric cooker, desktop computer, notebook computers, computer monitors, fax, printers, LCD TVs, Fan, DVD, mobile phones, digital products, drill machine, electric irons, washing machines and other original equipment usable electricity.

Pure sine wave inverter

The inverter installer must be professional, for the high pressure in the inverter, no-professional person please do not open it. The inverter should be installed at a dry, well ventilated environment and keep it more than 20cm away from the wall to avoid clogging its inlet. Do not expose the inverter to the heat, moisture, flammable, explosive, corrosive environment, dry cloth cleaning, avoiding water.

1. Load power did not exceed the inverter's rated power. Red terminal is the inverter positive electrode, the black terminal is negative electrode, please connect the battery properly avoiding positive and negative reversed connecting. The connecting wire please use the factory assigned standard wire, avoiding too short of the wire.

Pure sine wave inverter

2. Switch in the OFF position before connecting the power, the power supply use battery, solar power system, DC power supply, connect the power to confirm if the input of the inverter nominal DC voltage is consistent with the power supply DC voltage, avoiding excessive voltage input inverter.

3. The inverter for off-grid power, AC output cannot be connected to other power supply (electricity). Before using, the inverter shall be connected to the earth. If do not use the inverter, please turn off the switch avoiding excessive no-load loss.

4. Inverter with the city power automatic switching, which internal has the AC bypass function, please connect the AC power to the AC input correctly. Charging indicator light is red, full is green.

Pure sine wave inverter

5. City electricity complementary series inverter, which internal have the AC bypass function, please connect the AC power correctly.

6. Please read above carefully, if you have the unclear point, please call our after-sales service to consultation. Not in accordance with the installation of this manual method of operation may cause personal injury or cause damage to machinery and equipment.

7. Protection Features: Low voltage protection: when the battery in low voltage condition, shut down output, buzzer light at the same time work. Over-voltage protection: when the battery voltage is higher than the range of the machine rated voltage, the machine shut down output, buzzer and light work. Overload: when the load power is greater than the machine rated power, the machine shut down output, buzzer and light work. Thermal protection: when the

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internal temperature is above about 75 °C, the machine shut down output, buzzer and lights at the same time work. Anti-anti-connect protection: when input positive and negative poles reversed, the diode anti-anti-burn fuse to protect the inverter, need to replace the fuse, MOS FET anti-anti-connect inverter does not work: can be work after reversed. When the inverter internal temperature reach about 45 °C, the cooling fan start working, force air cooling.

8. 300W Panel indicate diagram:
Description:
1. Blue: inverter working light
2. Red: fault light
3. Power on switch
4. AC output socket
5. USB port

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9. 500~1000W Panel indicate diagram:
Description:
1. Blue: inverter working light
2. Red: fault light
3. Power on switch
4. AC output socket
5. USB port

Description:
1. Red is the DC input positive pole
2. Black is the DC input negative pole
3. Cooling fan
4(5). Fuse device

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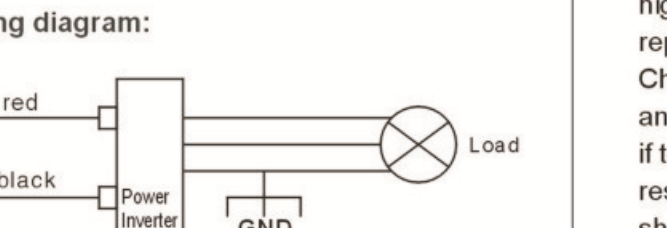
10. 1500~2500W Panel indicate diagram:
Description:
1. Blue: inverter working light
2. Red: fault light
3. Power on switch
4(5). AC output socket
6. USB port

Description:
1. Red is the DC input positive pole
2. Black is the DC input negative pole
3. (4) Cooling fan

11. 3000~8000W Panel indicate diagram:
Description:
1. Blue: inverter working light
2. Red: fault light
3. Power on switch
4(5). AC output socket
6. USB port
7. 250A terminal block

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Description:
1. Red is the DC input positive pole
2. Black is the DC input negative pole
3. Cooling fan



13. Use of the environment:
Ambient temperature: -10°C~+50°C
Storage temperature: -30°C~+70°C
Relative humidity: 0~80%, no condensation
Elevation: <1000m

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12. Troubleshooting:
1) Inverter did not respond: check the connect condition, reconnect the wire; check the positive and negative pole to confirm connected correctly, reconnect properly, replace the fuse.

2) Alarm red with no output. Check the voltage is higher or lower than the inverter's rated voltage range, replace the battery or control the voltage in the range. Check the temperature, if too high, cooling the inverter and put it in a ventilated place. Check the load power, if too high, please remove part of the load power and restart the inverter. Check the output, eliminate the short circuit condition and restart. Check the wire, if too short, replace it. Open fail, then restart.

13. This product is guaranteed for one year from date of purchase. If artificially damaged, disassemble or modify, the Company is not responsible for warranty.

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Products within 7 days from date of purchase have any problem, free exchange of new machines, man-made damage the casing or packaging is not in the exchange range.

This manual is only used to guide the use and can't represent their products exactly the same. If any problem, please consult our technical service department, and it will be solved with the guidance of professional engineers.

Pure sine wave inverter

PRODUCT CERTIFICATION

Inspection: _____

Factory inspector: _____

Date: _____

Users stubs

To protect your rights, please fill in the following black carefully. And safekeeping, as after-sales service credentials

Product model: _____ Name: _____

Product serial NO: _____ Tel: _____

Date: _____ Email: _____

Add: _____