



Manual EN

操作手册 中文

Pure sine wave inverter with charge  
& Pure sine wave inverter with bypass

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## **1. Cautions**

The inverter installer must be professional, for the high voltage in the inverter, unprofessional person please do not open it. The inverter should be installed in 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 heated, moist, flammable, explosive, corrosive environment, dry cloth cleaning, avoid water.

1. Load power doesn't 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 connection. Please use the factory assigned standard connecting wire, avoiding too short of the wire.

2. Switch in the OFF position before connecting the power, the power supply uses battery, solar power system, DC power supply, connect the power to confirm if the nominal DC input voltage of the inverter 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 (Mains). Before using, the inverter shall be connected to the ground. If it is no use of the inverter, please turn off the switch avoiding excessive no-load loss.

4. Charger inverter with bypass function. When mains come, mains supply is direct to the load, as well as charge for the battery. When mains cut off, it switches automatically to inverter power, switch time is less than 13 Ms.

5. Please connect the AC power to the AC input terminal correctly. Charging indicator light is red and turn to green when it's full.

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

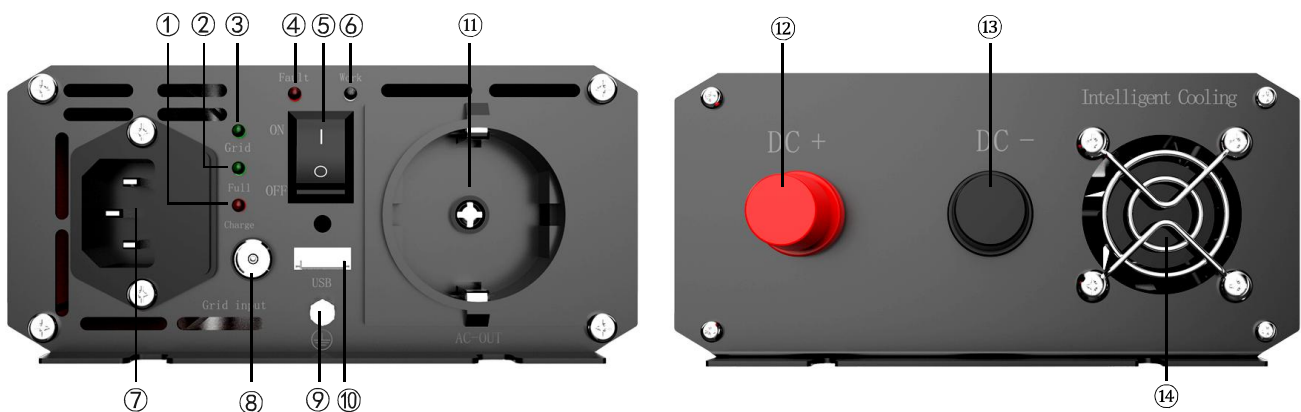
7. Protection Features: Low voltage protection: when the battery in low voltage condition,



the machine will shut down output, buzzer light work at the same time. Over-voltage protection: when the battery voltage is higher than the range of the machine rated voltage, the machine will shut down output, buzzer and light work. Overload: when the load power is greater than the machine rated power, the machine will shut down output, buzzer and light work. Thermal protection: when the internal temperature is above about 75 ° C, the machine will shut down output, buzzer and lights work at the same time. Short-circuit protection: output short circuit, the machine will shut down output, buzzer and lights work at the same time. Anti-reverse-connect protection: when input positive and negative poles reversed, the diode anti-burn fuse need to replace the fuse to protect the inverter, MOS FET anti-connect inverter does not work: can be work after reversed. When the inverter internal temperature reach about 45 ° C, the cooling fan starts working, force air cooling.

## 2. Instruction

Type1: 300W-1000W

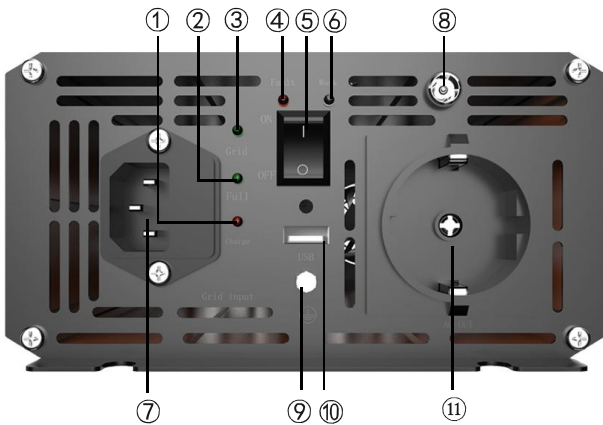


- 1.Charging Indicator
- 2.Full Indicator
- 3.Mains Indicato
- 4.Fault Indicator
- 5.ON-OFF Button
- 6. Working Indicator
- 7. Mains input terminal

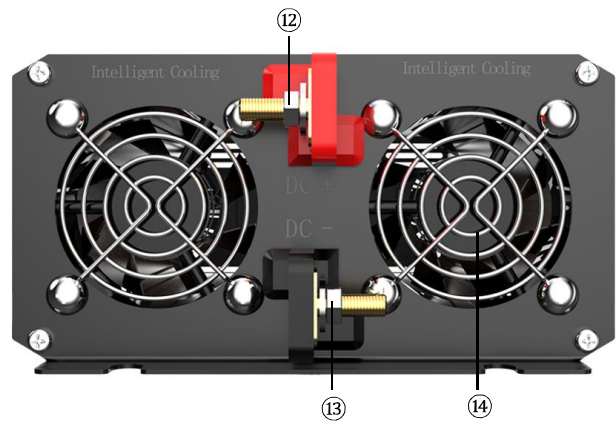
- 8. Remote Port
- 9. Ground terminal
- 10. USB
- 11. AC output socket
- 12. DC input positive pole
- 13. DC input negative pole
- 14. Intelligent Cooling



**Type2: 2000W**

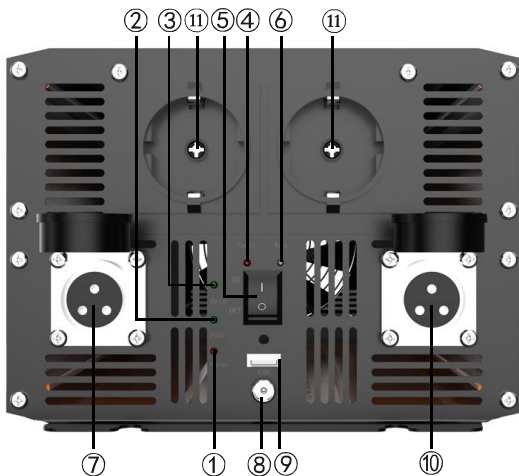


- 1.Charging Indicator
- 2.Full Indicator
- 3.Mains Indicato
- 4.Fault Indicator
- 5.ON-OFF Button
- 6. Working Indicator
- 7. Mains input terminal

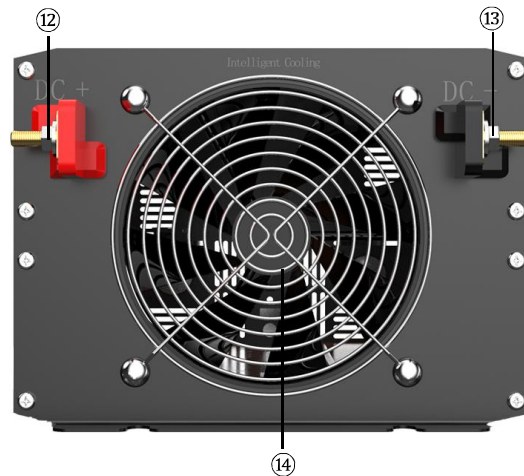


- 8. Remote Port
- 9. Ground terminal
- 10. USB
- 11. AC output socket
- 12. DC input positive pole
- 13. DC input negative pole
- 14. Intelligent Cooling

**Type3: 3000W-6000W**



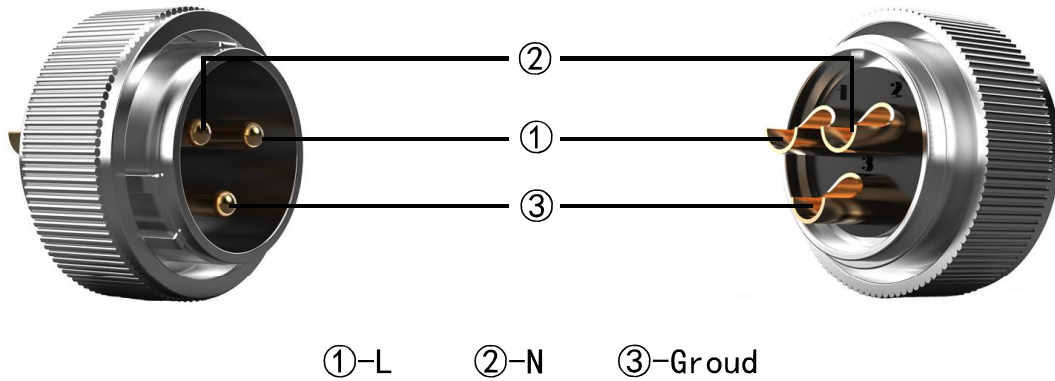
- 1.Charging Indicator
- 2.Full Indicator
- 3.Mains Indicato
- 4.Fault Indicator
- 5.ON-OFF Button
- 6. Working Indicator
- 7. Ground input terminal



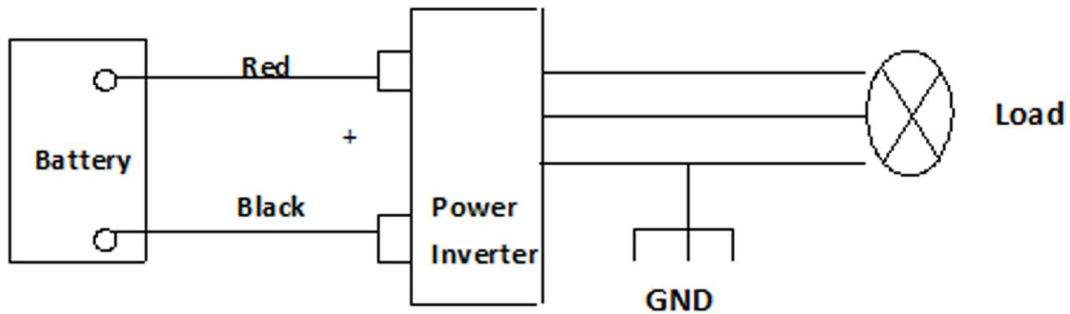
- 8. Remote Port
- 9. USB
- 10. AC output socket
- 11. Ground output terminal
- 12. DC input positive pole
- 13. DC input negative pole
- 14. Intelligent Cooling



## Aviation socket connect



### 3. Wiring diagram



### 4. Use of the environment

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



## **5.Trobleshooting**

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

2.Alarm red with no output.

- ① Check the voltage is higher or lower than the inverter' s rated voltage range, replace the battery or control the voltage in the range.
- ② Check the temperature, if too high, cool the inverter and put it in a ventilated place.
- ③ Check the load power, if too high, please remove part of the load power and restart the inverter.
- ④ Check the output, eliminate the short circuit condition and restart.
- ⑤ Check the wire, if too short, replace it.
- ⑥ Open fail, then restart.

## **6.Warranty**

**This product is guaranteed for one year from date of purchase If artificially damaged, disassemble or modify, the company is not responsible for warranty. Products within 7 days from date of purchase have any problems, free exchange of new machines, man-made damage of 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 problems, please consult our technical service department. It will be solved with the guidance of professional engineers.**