TBE®

Made in china

TBE®

Pure sine wave inverter

Product Manual

TÜV CERT ISO 9001:2000 CE FC

Please read the enclosed operation instructions before operating this product.

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.

2. Switch in the OFF position before connecting the power, the power upply 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.

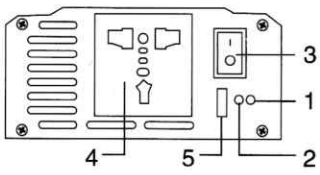
5. City electricity complementary series inverter, which internal have the AC bypass function, please connect the AC power correctly.

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.

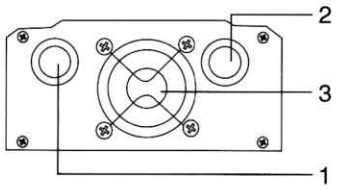
7. Protection Features: Low voltage protection: when the battery in low voltage condition, shut down output, buzzer light at the same time work. Over -voltage protection: when the battery voltage is higher than the range of the machine rated voltage, the machine shut down output, buzzer and light work.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

internal temperature is above about 75 ℃, the machine shut down output, buzzer and iights at the same time work. Short-circuit protection: output short circuit, 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 ℃, the cooling fan start working, force air cooling.

8、300~500W Panel indicate diagram:



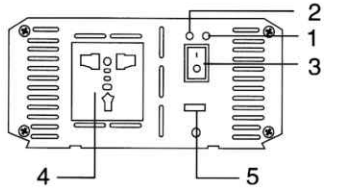
Description:
1. Green inverter working light
2. Red: fault light
3. Power on switch
4. AC output socket
5. USB port



Description:

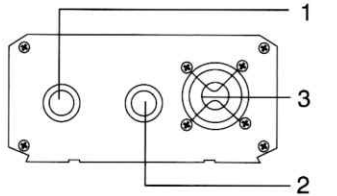
1. Red is the DC input positive pole
2. Black is the DC input negative pole
3. Cooling fan

9. 1000~2000W Panel indicte diagram:



Description:

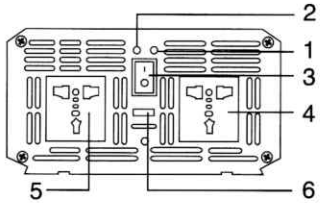
1. Green: inverter working light
2. Red: fault light
3. Power on switch
4. AC output socket
5. USB port



Description:

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

10、 2500~4000W Panel indicte diagram:

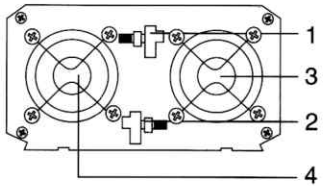


Description:

1. Green: inverter working light
2. Red: fault light
3. Power on switch

4(5). AC output socket

6. USB port

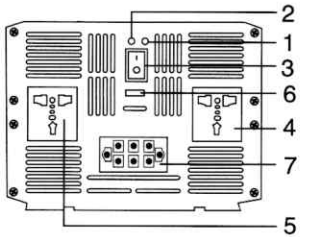


Description:

1. Red is the DC input positive pole
2. Black is the DC input negative pole

3(4). Cooling fan

11、 5000~12000W Panel indicte diagram:



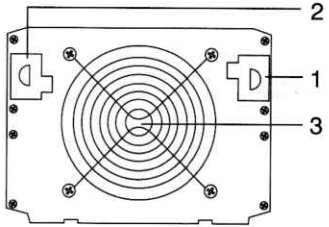
Description:

1. Green: inverter working light
2. Red: fault light
3. Power on switch

4(5). AC output socket

6. USB port

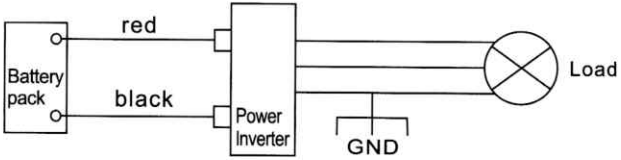
7.250A wiring row



Description:

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

12. Wiring diagram:



13.Use of the environment:

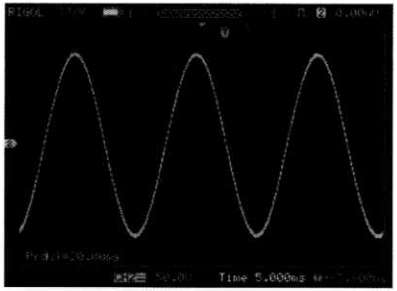
Ambient temperature: -10℃~+50℃

Storage temperature: -30℃~+70℃

Relative humidity: 0~80%, no condensation

Elevation: <1000m

14. Pic 1:Output sine wareform



15. 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.

16. 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.

For more product information, visit www.tebenyi.com/china/products

PRODUCT CERTIFICATION

Inspection:_____

Factory inspector: _____

Date: _____

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Users stubs

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

Product model:_____ Name:_____

Product serial NO:_____ Tel:_____

Date:_____ Email:_____

Add:_____