Pure Sine Wave Inverter with Touch Screen User Manual

inverter.com

Dear user:

First of all, thank you for choosing our pure sine wave inverter.All products of our company have undergone strict production control, quality control and accurate testing and proof, so that all the requirements specified in the specifications can be met after delivery. Users can rest assured to buy and use!

PRECAUTIONS

The installation and commissioning of this equipment shall be carried out by professional electrical maintenance personnel who are familiar with the structure and operation of the device. Failure to follow this precaution could result in bodily harm.

Do not connect this equipment to a consumer utility line box, such as a home line.

Keep the inverter away from water, and avoid dropping water on the machine or getting it up. Do not insert or pull the plug with wet hands.

Keep the inverter in a cool environment, suitable temperature should be -20 ° C ~ 40 ° C, avoid direct sunlight and hot vents.

Keep the inverter away from flammable materials or where flammable gases accumulate.

After prolonged use, the inverter will heat up, so avoid getting close to heat sensitive substances.

Make sure the vents are smooth and well cooled.

Do not open the machine due to high voltage danger.

Use a suitable type of wire to avoid blowing the wire due to excessive inverter current.

Make sure the inverter is connected to the correct battery, otherwise the fuse of the inverter will be blown. Turn off the switch when the machine is not in use.Please turn off the switch before cleaning and clean it with a dry cloth.Do not use a damp cloth or detergent.

FEATURES

The inverter power supply adopts SPWM technology controlled by MCU micro-processing, pure sine wave output, and the waveform is pure.

The unique dynamic current loop control technology ensures reliable operation of the inverter.

Load adaptability, including inductive load, capacitive load, resistive load, mixed load.

Heavy load capacity and impact resistance.

It has perfect protection functions such as input overvoltage, undervoltage, overload, overheat, and output short circuit.

The sine wave inverter adopts LCD liquid crystal display mode, and the state is clear at a glance.

Stable performance, safe and reliable, long service life.

APPLICATIONS

Power Tools: Circular saws, electric drills, grinding machines, grinders, bumpers, weeders and trimmers, air compressors

Home entertainment electronic devices: TV, video cassette recorders, video game consoles, audio, musical instruments, satellite equipment

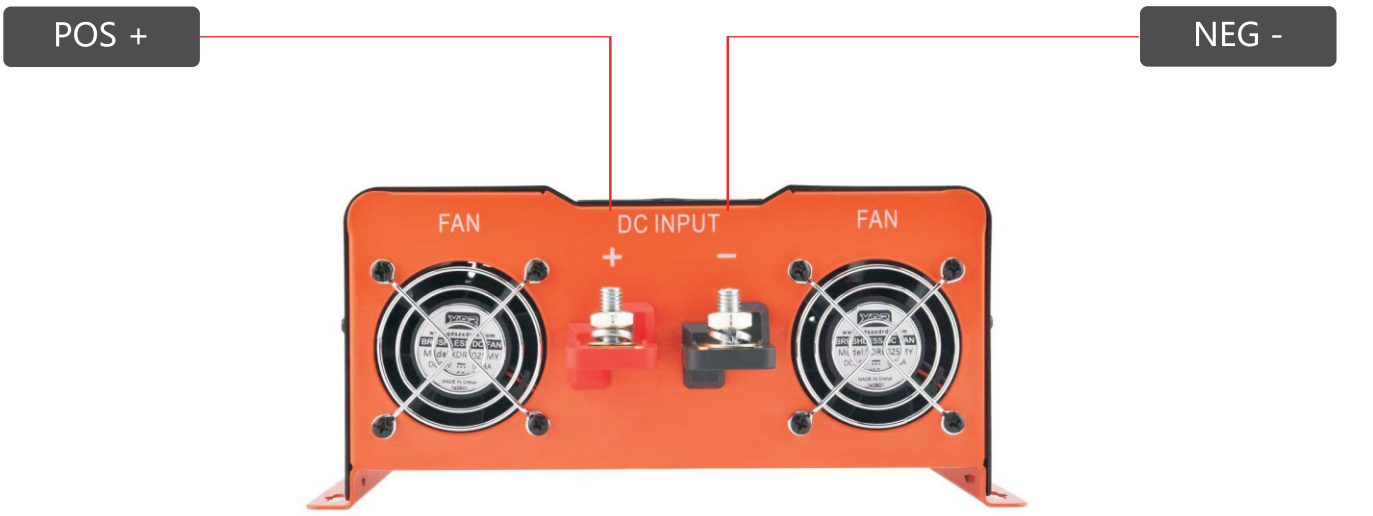
Industrial equipment: cloud server, face recognition server, intelligent manufacturing robot, emergency system

Household appliances: vacuum cleaners, fans, fluorescent and incandescent lamps, razors, sewing machines

Office equipment: computers, printers, surveillance, fax machines, scanners

Kitchen appliances: coffee machine, blender, ice mark, toaster

PANEL DESCRIPTION



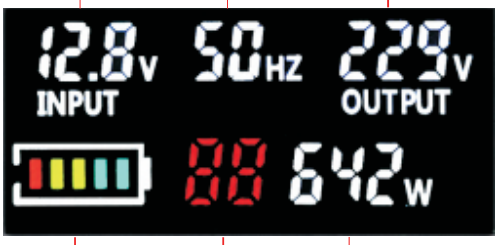
PANEL DESCRIPTION

If the load exceeds 2000W,
Please connect to this terminal.

Output Frequency

Input Voltage

Output Voltage



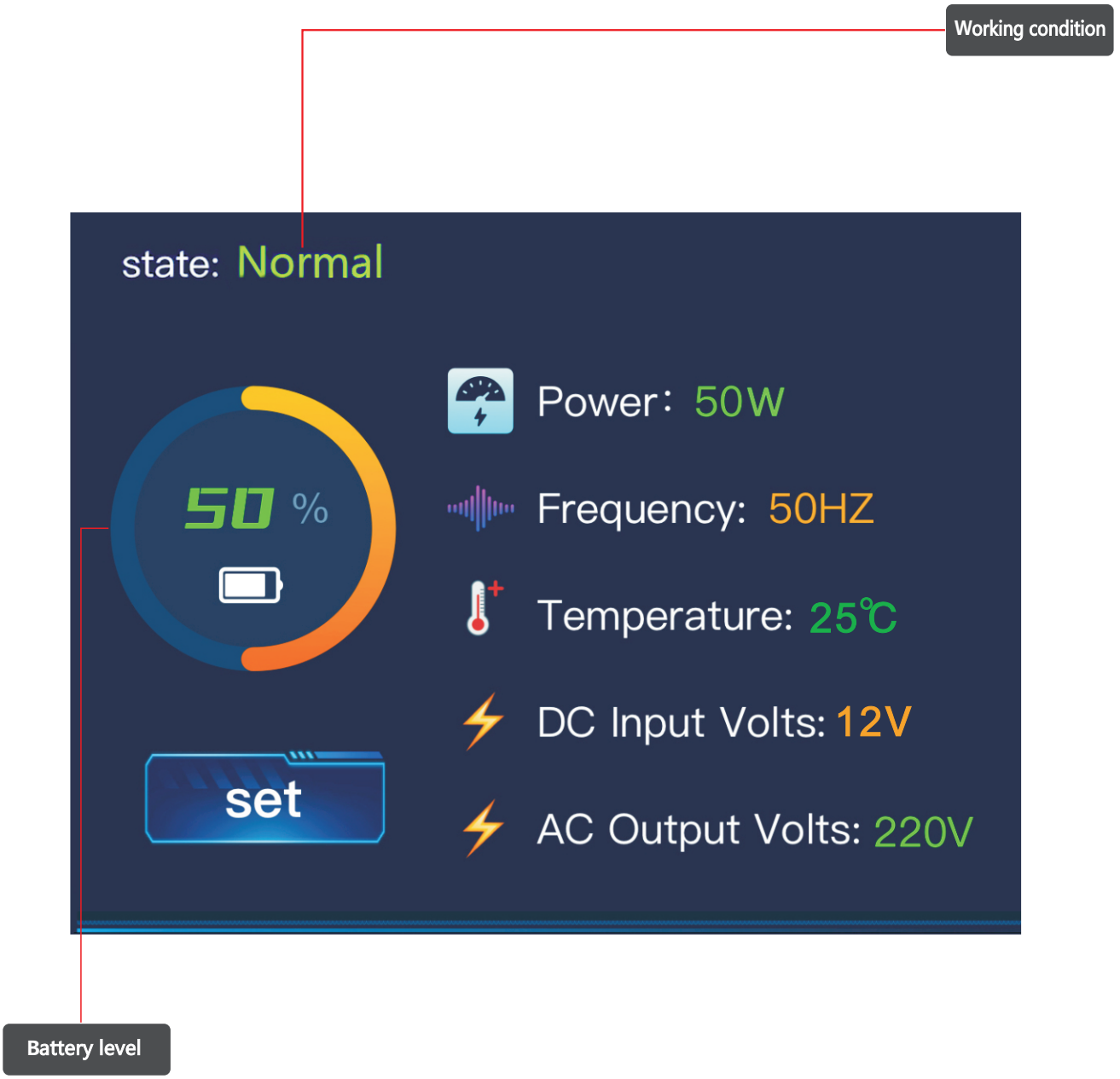
Battery Level

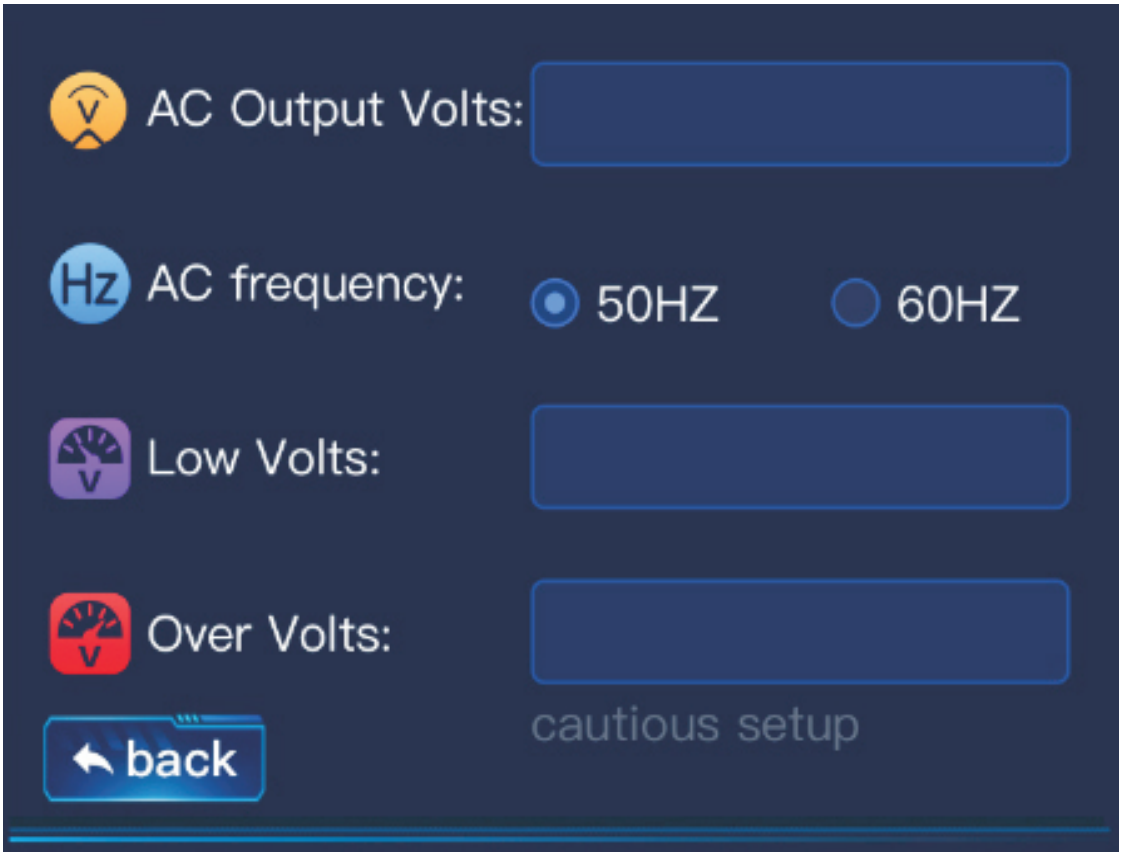
Working Condition

Output Power

PS: If you want to use the touch screen,
please switch the inverter to the REMOTE position.

Touch screen settings





AC Output Volts:

120V AC output products:100–130V

220V AC output products:200-240V

Low voltage suggestion setting:

12V: 9-11.5V

24V: 18-23V

48V: 36-46V

Over voltage suggestion setting:

12V:<16V

24V:<32V

48V:<64V

Inverter Alarm Notification

Fault Code MeaningBuzzer Pattern

SC: Output short circuitBeeps once, pauses for 2 seconds, repeats

OC: Output overcurrentBeeps twice, pauses for 2 seconds, repeats

OL: Output overload

OU: Battery overvoltageBeeps 3 times, pauses for 2 seconds, repeats

LU: Battery undervoltageBeeps 4 times, pauses for 2 seconds, repeats

OH: Overtemperature protectionBeeps 5 times, pauses for 2 seconds, repeats

Alarm Definition:

OL: Overload warning Short beeps twice, off 3 sec, loops continuously (Normal inverter output)

LU: Undervoltage warningShort beeps 4 times, off 3 sec, loops continuously (Normal inverter output)

OH: Overtemperature warningShort beeps 5 times, off 3 sec, loops continuously (Normal inverter output)

- Subject to outside interference
- The inverter may be affected by some strong electromagnetic waves in the use, such as nearby motors, power inverters, strong magnetic fields, etc.

Inverter indicator is not light

1. The battery and inverter are not connected and reconnected.
2. The pole of the battery is reversed and the fuse is blown. Replace the fuse.

- Low output voltage

1. Overload, the load current exceeds the nominal current, and some of the load is turned off to restart.
2. The input voltage is too low. Make sure the input voltage is within the nominal voltage range.

- Low voltage alarm

1. The battery is out of power and needs to be charged.
2. The battery voltage is too low or the contact is poor, recharge, check the battery terminals or clean the terminals with a dry cloth.

- Inverter has no output

1. The battery voltage is too low, recharge or replace the battery.
2. The load current is too high, and some of the load is turned off to restart the inverter.
3. Inverter over temperature protection. Allow the inverter to cool for a while and place it in a well ventilated area.
4. The inverter failed to start and restarted.
5. The terminal is reversed, the fuse is blown, and the fuse is replaced.