Installation and usage instructions

1. Prepare tools (for 15**00W** 12**VDC inverter):**

Battery: 12V (recommended to use a battery system of not less than 150AH)

Cables: 1 Set of 7AWG Cables (provided by the manufacturer)

2.Installation steps

a. Confirm the positive and negative poles of the battery, install the cables and tighten the screws.



b. Find the positive and negative poles of the inverter input terminals, install the cables and tighten them. Red: positive, black : negative.



c.Use a multimeter to confirm the inverter input voltage.Make sure the voltage reaches about 12V before turning on the inverter

d. After turning on the inverter, confirm whether the LED display normally displays the input and output voltages.



3.Notes:

a.Please use the standard battery cables which we sent, and the spare fuses sent with the package are spare ones. If any missing parts, please contact with me freely.

b.Don't connect the inverter with grid power, or the inverter may have a permanent damage.

c . **Pls fully charge the battery before installing the inverter** . There are some large capacitors built into the inverter, so it may be in the low-voltage protection or even unable to turn on when the battery power is low.

d. Please pay attention to **the positive and negative poles** of the battery and the inverter, do not connect them in reverse. Please **tighten the screws** not to loosen to prevent the current from being unstable.

e.Our installation demonstration does not add load appliances, but directly measures the output voltage with a multimeter. When you are operating,. please **turn on the inverter first then turn on your loads**, or the output may be not stable at the first seconds,also ,**turn off the load first then turn off your inverter**

f.Here are some tips for automatically shutdown issues when running loads

1). Pls check if there is a fuse or breaker installed in your system ,generally,we recommend that a 150**Amp fuse** be installed between the inverter and the battery for the 1500watt 12volt dc version.

2). Pls check if use standard cables all

If use your own cable, please make sure that the cable specification is larger than **AWG7**, and if the length exceeds 1 meter, please thicken the cable .

Note that there is a voltage drop between the battery and the inverter,the thinner and longer the cable, the greater the voltage drop.

3) . Pls confirm your battery system capacity **≥ 150AH**

We recommend connecting to a **battery system ≥ 150AH** for a 1500Watt 12VDC inverter. When the DC LED reading drops while the load is running, it is likely that your battery capacity is too small to supply power to the load. Please try to **add other batteries** to your previous battery system.

It is recommended that a battery system use identical battery units

4) **Please do not overload**.
Loads are divided into resistive loads and inductive loads .If need the inverter to run the resistive load (like laptop, TV, electric cooker,LED light), please choose the inverter with continuous power higher than the appliance's rated power. If use microwaves,water pumps, air conditioners and other appliances with **motors or compressors** ,please choose the inverter whose continuous power is **3-7 times** higher than your appliances.If wanna to power up a **refrigerator**, we suggest you use **10 times** higher power inverter
And it is best to use 80% of the rated power

Please check the attachment about usage,we are always here for you to solve your problems and take responsibility of our products, millions thanks.

Sincerely and yours,
Reliable Customer Service