

Installation and usage instructions

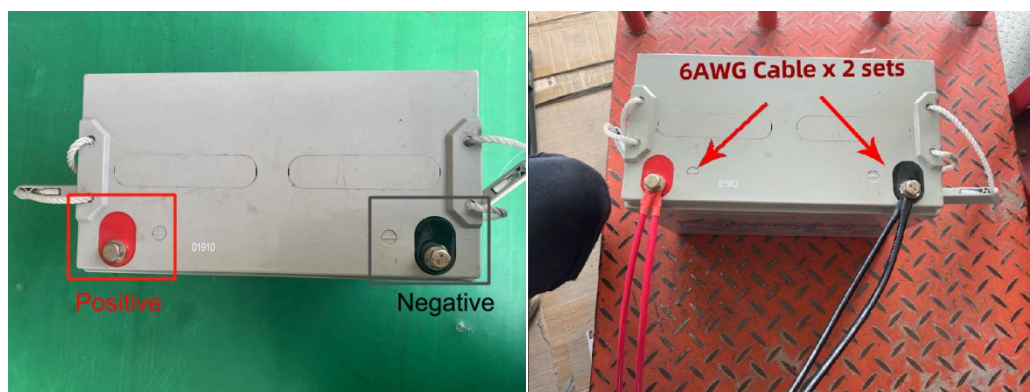
1. Prepare tools (for 3000W 12VDC inverter):

Battery: 300AH 12V (recommended to use a battery of not less than 400A)

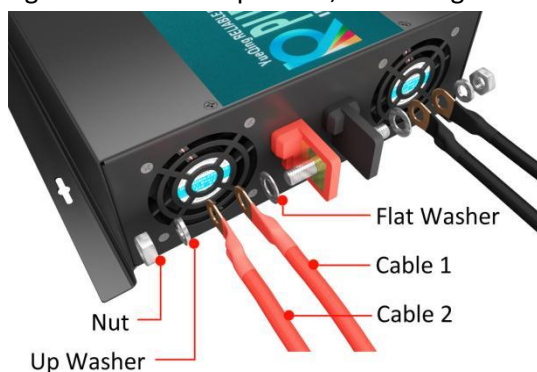
Cables: 2 Sets of 6AWG Cables (provided by the manufacturer)

2. Installation steps

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



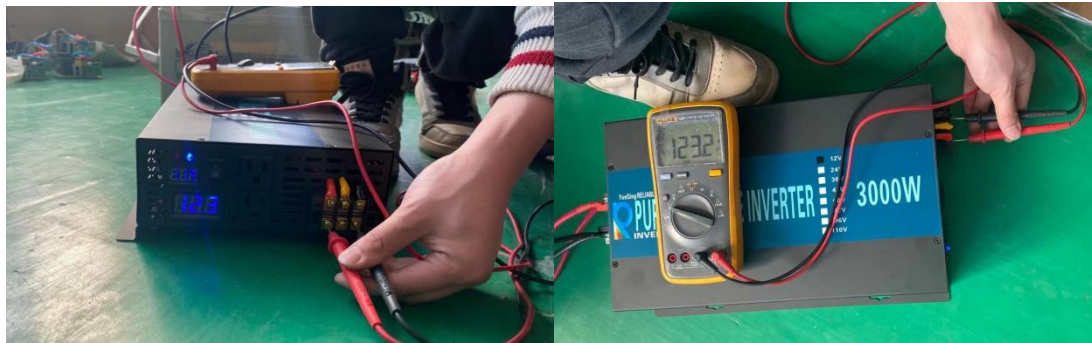
b. Find the positive and negative poles of the inverter input terminals, install the cables and tighten them. Red: positive, black: negative.



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 make sure your battery is **fully charged** to prevent the voltage from being too low and the inverter cannot be turned on.
- b. Please pay attention to **the positive and negative poles** of the battery and the inverter, do not connect them in reverse.
- c. Please **tighten the screws** not to loosen to prevent the current from being unstable.
- d. Please pay attention to **the specification of the cable**, it is recommended to use the cable provided by the manufacturer. There is a voltage drop between the battery and the inverter, and the thinner and longer the cable gauge, the greater the voltage drop.
- 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 after installing the load.
- f. For your appliances, please know that loads are divided into resistive and inductive loads. If you need the inverter to run the resistive loads (like laptop, TV, electric cooker, LED light), please choose the inverter with continuous power higher than the appliance's rated power. And **it is best to use 80% of the rated power**. If you 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 you want to power up a **refrigerator**, we suggest you use **10 times** higher power inverter.
- g. If you want to install a fuse or breaker between battery and inverter, generally, we recommend that a **500Amp** fuse for the 5000watt 12volt dc version.
- h. There is a screw on the bottom of the inverter for grounding. The yellow wire on the terminal is connected to the ground screw on the bottom, so as long as one of them is grounded, the inverter will be grounded.