

How to Ground an Inverter ?

Grounding

The power inverter has a terminal on the back panel marked "Grounding" or "  ". This is used to connect the chassis of the power inverter to the ground.

The ground terminal has already connected to the ground wire of AC output receptacle through the internal connecting wire. The ground terminal must be connected to the ground wire, which will vary depending on where the power inverter is installed.

1. In some fixed available position	Connect the ground terminal to the earth.
2. Indoors	A.Connect to household metal water pipes, metal frames (door frames, window frames) connected to the earth. B.Connect to the nails on the wall or ground which contact to the earth. C.Connect to the grounding system of the mains grid which is connected to the ground wire of the socket (Note: this connection must be operated by a professional electrician).
3. Outdoors	Connect one end of the ground wire (included) to the inverter grounding screw, clip the other end to the nail, and insert to the earth. There is a small grounding screw just below the inverter AC terminal block.
4. In a vehicle, boat or ship	Connect to the chassis of vehicle or grounding system of a boat or ship.

Warning:

- The ground wire should be 17AWG (1 mm²) or even larger.
- Do not operate the power inverter without connecting to ground. Proper grounding is helpful for protection against electric shock and fire due to leakage current.