

12V DC to 220V AC Inverter Circuit

1. 12V DC Battery (e.g., 7Ah or more)

Stores energy from a bike generator or solar panels and powers the inverter.

2. Charge Controller (optional)

Protects and regulates charging of the battery when using solar panels.

3. Inverter (12V DC to 220V AC)

Converts battery voltage to 220V AC for home appliances.

4. Proper Connection Wires (Thick gauge)

Used for safe high current connection between battery and inverter.