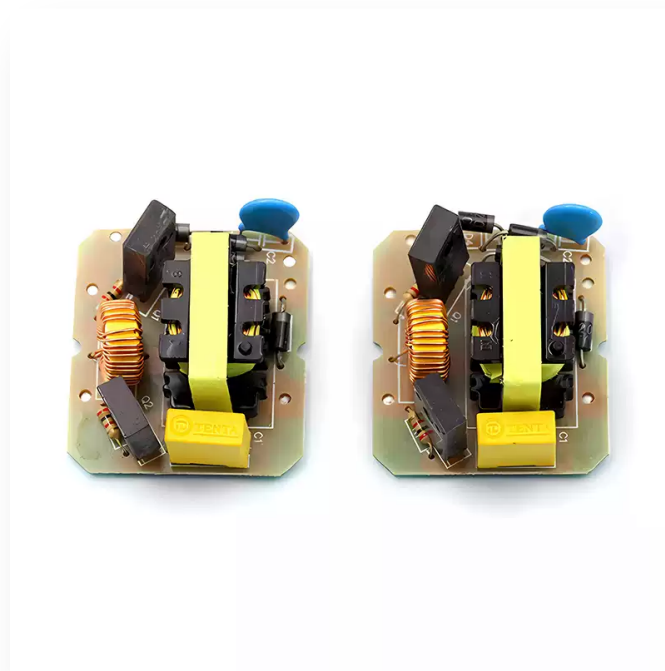


12 V to 220 V / 40 W DC-AC Inverter Module

Compact transformer-based high-voltage inverter board



Product Overview

A compact power-electronics module documented from the supplied archived product page. The specifications below separate confirmed ratings from operating guidance and identify the exact module variant where the source page contains multiple options.

Electrical and Mechanical Specifications

Parameter	Value
Converter type	DC-AC step-up inverter
DC input	12 VDC
AC output	220 VAC nominal
Rated power	40 W
Magnetic components	Step-up transformer and toroidal inductor
Construction	Open-frame PCB module
Protection	Over-current, over-temperature and short-circuit protection stated by source

Key Features

- 12 VDC to 220 VAC conversion
- 40 W output class
- Compact transformer-based design
- Integrated protection functions

Operating Notes

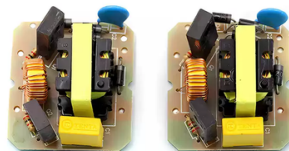
- DANGER: the output voltage can cause fatal electric shock.
- Output waveform and regulation are not specified as utility-grade sine-wave power.
- Use only in an insulated enclosure with an input fuse and safe discharge/clearance practices.

Application and Connection Guide

APPLICATION & CONNECTION

12 V BATTERY INPUT

High-current DC source



LOW-POWER AC LOAD

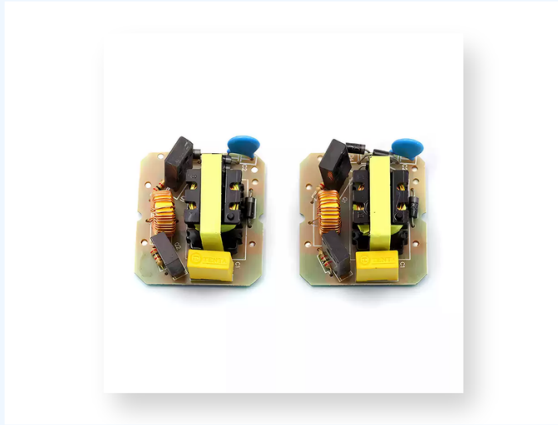
220 VAC / 40 W

Verify polarity and configure voltage/current before connecting the load.

Connection Sequence

1. Confirm the input source is within the stated range. 2. Verify input and output polarity. 3. Configure voltage and current limits with the load disconnected. 4. Connect the load or battery. 5. Monitor temperature during initial operation.

KEY PRODUCT ADVANTAGES



- 1 **12 VDC to 220 VAC conversion**
- 2 **40 W output class**
- 3 **Compact transformer-based design**
- 4 **Integrated protection functions**