

12 V / 450 mA AC-DC Switching Power Module

Compact 5 W board for converting 220 VAC to regulated 12 VDC



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	Isolated AC-DC switching power supply
Nominal AC input	220 VAC
DC output	12 VDC regulated
Maximum output current	450 mA
Rated output power	5 W
Construction	Open-frame PCB module
Protection	Input/output protection components shown on source board

Key Features

- Regulated 12 V output
- Compact 5 W open-frame design
- 450 mA output capability
- Isolated transformer construction

Operating Notes

- DANGER: exposed mains voltage is present on the open PCB.
- Install only in an insulated enclosure with correct fuse, creepage and strain relief.
- Do not touch the module while energized or before discharge.

Application and Connection Guide

APPLICATION & CONNECTION

AC MAINS INPUT

220 VAC nominal



12 V ELECTRONICS

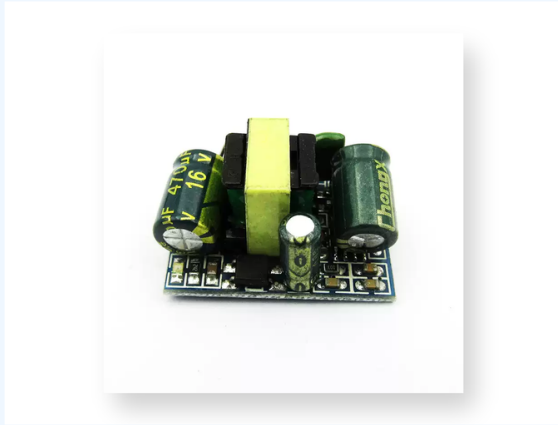
Up to 450 mA

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 **Regulated 12 V output**
- 2 **Compact 5 W open-frame design**
- 3 **450 mA output capability**
- 4 **Isolated transformer construction**