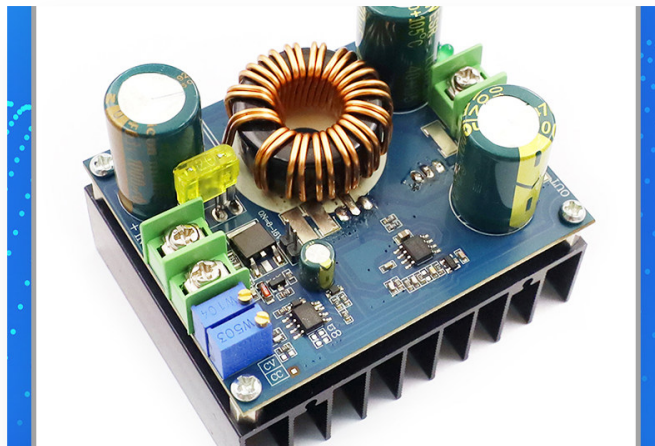


600 W High-Power DC-DC Boost Converter

10-60 V input to adjustable 12-80 V output for solar and high-power loads



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
Topology	Non-isolated DC-DC boost converter
Input voltage	10-60 VDC
Maximum input current	15 A
Adjustable output	12-80 VDC
Adjustable output current	Up to 10 A
Maximum power class	600 W
Cooling	Large integrated aluminum heatsink
Approximate dimensions	75 x 60 x 29 mm

Key Features

- 600 W power class
- 10-60 V wide input
- 12-80 V adjustable output
- Large heatsink for high load

Operating Notes

- This is a boost converter; output must remain above input.
- 600 W operation requires forced-air cooling, heavy wiring and a protected source.
- Set voltage and current limits before connecting the load.

Application and Connection Guide

APPLICATION & CONNECTION

HIGH-CURRENT DC INPUT

10-60 VDC



BOOSTED DC LOAD

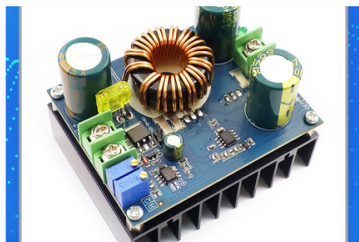
12-80 VDC

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 **600 W power class**
- 2 **10-60 V wide input**
- 3 **12-80 V adjustable output**
- 4 **Large heatsink for high load**