

8 W 12 V DC-DC Boost Converter Module

Compact 3-6 V input step-up regulator



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	3-6 VDC
Output voltage	12 VDC fixed
Maximum output power	8 W
Board dimensions	Approximately 24 x 15 mm
Connections	Solder pads
Status indication	On-board LED

Key Features

- Fixed regulated 12 V output
- Operates from a single-cell battery range
- Compact 24 x 15 mm size
- Up to 8 W output class

Operating Notes

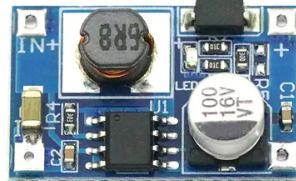
- This is a boost-only converter.
- Input current can be substantially higher than output current.
- Confirm polarity and provide short, low-resistance wiring.

Application and Connection Guide

APPLICATION & CONNECTION

LOW-VOLTAGE SOURCE

3-6 VDC



12 V LOAD

Up to 8 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 **Fixed regulated 12 V output**
- 2 **Operates from a single-cell battery range**
- 3 **Compact 24 x 15 mm size**
- 4 **Up to 8 W output class**