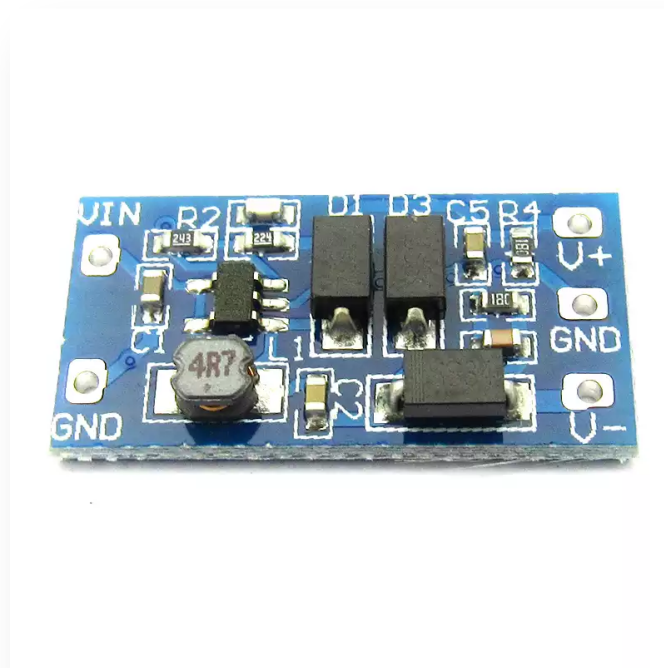


Dual-Rail +/-12 V DC-DC Boost Converter

Compact 2.8-5.5 V input converter for split-rail electronics



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 dual-output DC-DC boost converter
Input voltage	2.8-5.5 VDC
Output rails	+12 V and -12 V
Output configuration	Balanced split rail with common ground
Connections	VIN, GND, V+, GND and V- solder pads
Form factor	Compact surface-mount PCB module

Key Features

- Generates dual +/-12 V rails
- Operates from 2.8-5.5 V input
- Compact low-profile board
- Simple solder-pad integration

Operating Notes

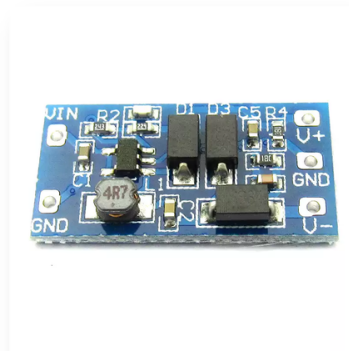
- The saved page does not expose a reliable maximum output-current rating.
- Total output power is limited by the low-voltage input source and thermal conditions.
- Verify all three output connections before powering analog circuitry.

Application and Connection Guide

APPLICATION & CONNECTION

LOW-VOLTAGE SOURCE

2.8-5.5 VDC



DUAL-RAIL CIRCUIT

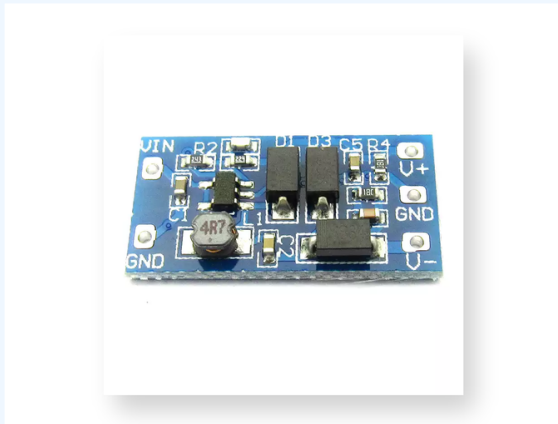
+12 V / -12 V

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 Generates dual +/-12 V rails

2 Operates from 2.8-5.5 V input

3 Compact low-profile board

4 Simple solder-pad integration