

12 A Adjustable DC-DC Buck Converter

24 V to 12 V step-down module with charging-status indication



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 buck converter
Nominal conversion	24 VDC to 12 VDC
Maximum current class	12 A
Output	Adjustable regulated DC voltage
Current regulation	Not provided
Status	Charging-status indication
Cooling	Dual high-profile heatsinks
Connections	Input and output screw terminals

Key Features

- 12 A current class
- 24 V to 12 V conversion
- Adjustable regulated output
- Charging-status indication

Operating Notes

- This module provides constant-voltage operation, not constant-current regulation.
- Set output voltage before connecting the load.
- Provide airflow and heavy wiring at high current.

Application and Connection Guide

APPLICATION & CONNECTION

24 V DC INPUT

Vehicle / battery source



12 V LOAD

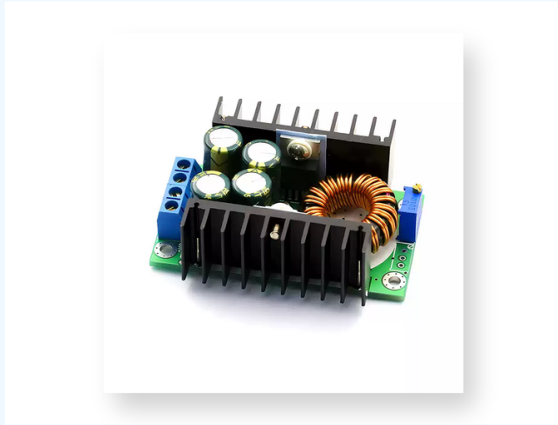
Regulated output

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 A current class**
- 2 **24 V to 12 V conversion**
- 3 **Adjustable regulated output**
- 4 **Charging-status indication**