Automatic Adjustable Buck-Boost Regulator Module

DC-DC converter for stabilized vehicle and battery power

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	Automatic non-isolated DC-DC buck-boost converter
Function	Maintains regulated output when input is above or below the set voltage
Output	Adjustable regulated DC output
Adjustment	Multi-turn voltage potentiometer
Connections	Input and output screw terminals
Cooling	Power components mounted on compact PCB
Typical application	12 V vehicle-bus stabilization

Key Features

- Automatic step-up / step-down operation
- Adjustable regulated output
- Suitable for unstable vehicle supply
- Screw-terminal installation

Operating Notes

- The saved page does not expose a reliable complete input/output/current range.
- Set output voltage before connecting the load.
- Observe polarity and validate thermal performance in the final enclosure.

Application and Connection Guide

APPLICATION & CONNECTION

VARIABLE DC INPUT

Above or below setpoint

REGULATED DC LOAD

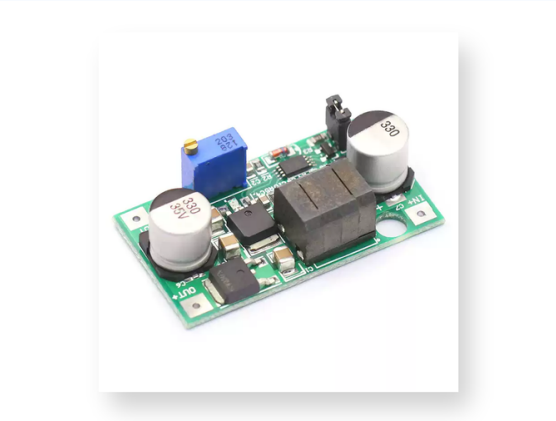
Adjusted output

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



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