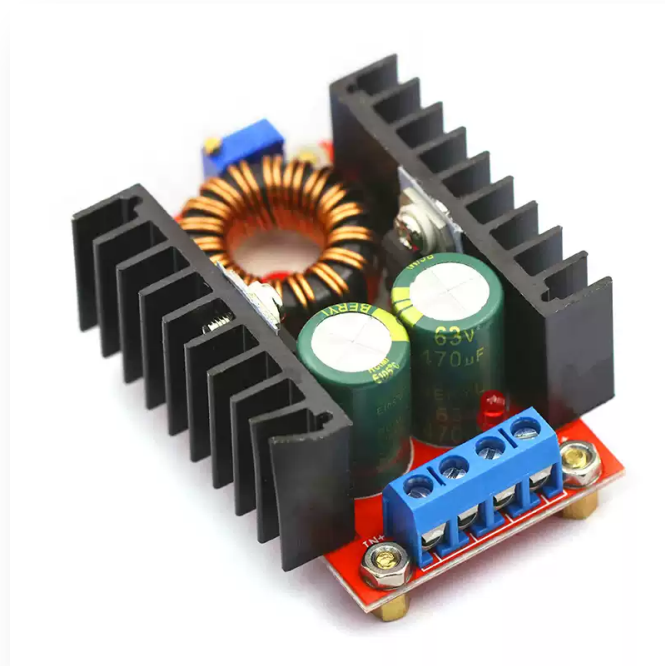


120 W Adjustable 35-60 V Boost Converter

10-32 V input step-up module for high-voltage battery charging



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	10-32 VDC
Adjustable output	35-60 VDC
Maximum power class	120 W
Adjustment	Multi-turn output-voltage control
Cooling	Integrated aluminum heatsink
Connections	High-current input and output terminals
Typical use	Electric-vehicle battery charging

Key Features

- 10-32 V input range
- 35-60 V adjustable output
- 120 W power class
- Heatsink-cooled design

Operating Notes

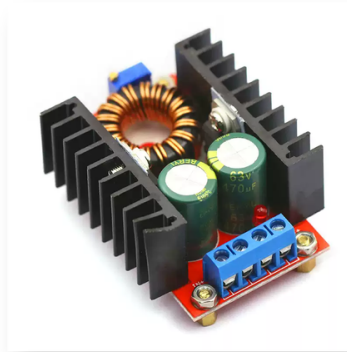
- Set and verify output voltage before connecting a battery.
- Charging lithium batteries requires a compatible battery-management system and correct charge profile.
- Maximum power requires suitable airflow, wiring and input-source capacity.

Application and Connection Guide

APPLICATION & CONNECTION

LOW-VOLTAGE DC INPUT

10-32 VDC



HIGH-VOLTAGE LOAD

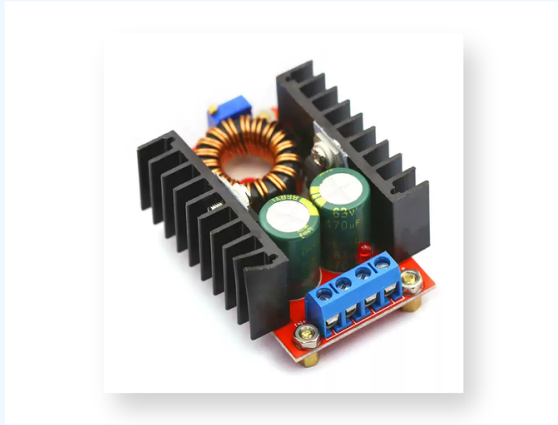
35-60 VDC

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 **10-32 V input range**
- 2 **35-60 V adjustable output**
- 3 **120 W power class**
- 4 **Heatsink-cooled design**