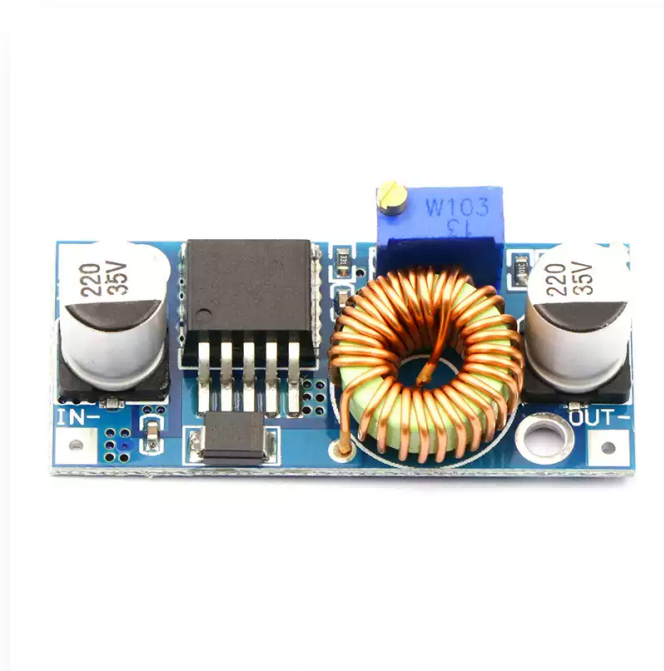


5 A Adjustable DC-DC Buck Converter

High-current step-down regulator module with heatsink



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
Maximum current class	5 A
Output	Adjustable regulated DC voltage
Adjustment	Multi-turn output-voltage potentiometer
Cooling	Integrated aluminum heatsink
Connections	Input and output solder pads
Function	Step-down conversion only

Key Features

- 5 A current class
- Adjustable regulated output
- Integrated heatsink
- Compact high-current design

Operating Notes

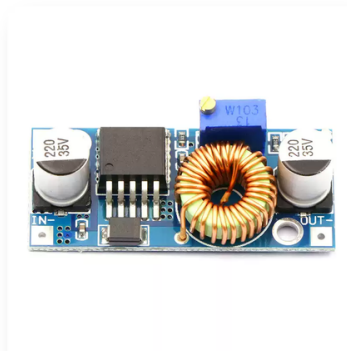
- This module cannot increase voltage; output must remain below input.
- The saved page does not expose a reliable complete voltage range.
- Provide airflow and low-resistance wiring at high current.

Application and Connection Guide

APPLICATION & CONNECTION

HIGHER DC INPUT

Battery or adapter



LOWER-VOLTAGE LOAD

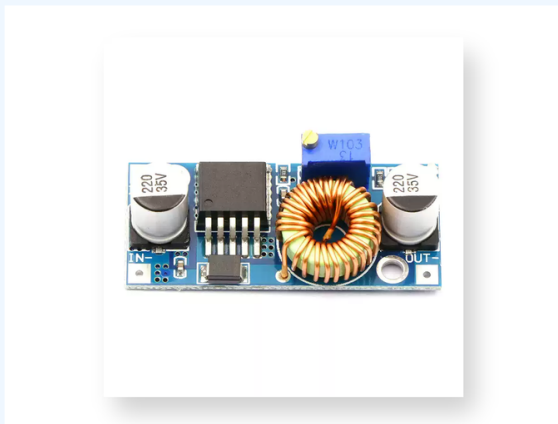
Adjusted output

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



- 1 **5 A current class**
- 2 **Adjustable regulated output**
- 3 **Integrated heatsink**
- 4 **Compact high-current design**