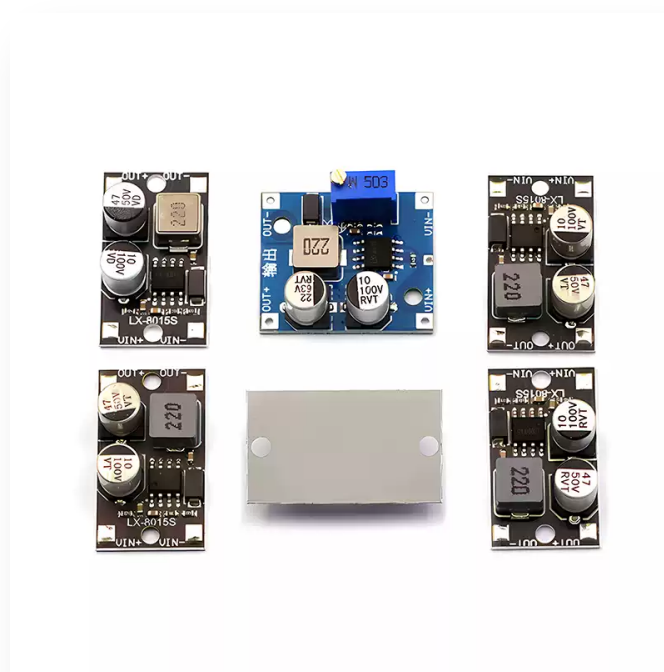


LX8015S 80 V Adjustable Buck Converter Module

Wide-input DC-DC step-down converter with adjustable output



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
Input voltage	5-80 VDC
Adjustable output version	0.9-62 VDC
Output-enable interface	Active-low enable pad
Mounting-hole diameter	Approximately 2.6 mm
Adjustment	Multi-turn voltage trimmer
Inductor	Integrated shielded power inductor
Available fixed-output variants	5 V, 9 V, 12 V and 24 V shown on source page

Key Features

- Wide 5-80 V input range
- 0.9-62 V adjustable version
- Compact shielded-inductor design
- Output-enable interface

Operating Notes

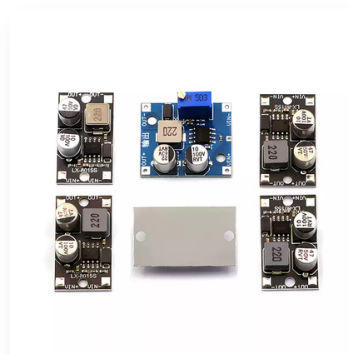
- This is a buck converter; input must remain above the selected output.
- Observe polarity because reverse connection can destroy the module.
- Do not back-feed the output when the input is unpowered without external isolation.

Application and Connection Guide

APPLICATION & CONNECTION

HIGH-VOLTAGE DC INPUT

5-80 VDC



LOWER-VOLTAGE LOAD

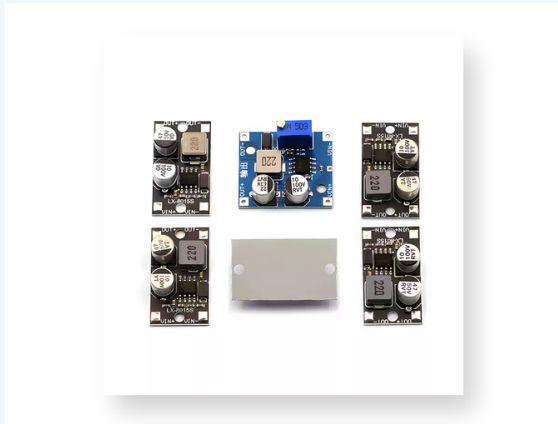
0.9-62 VDC

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

Wide 5-80 V input range

2

0.9-62 V adjustable version

3

Compact shielded-inductor design

4

Output-enable interface