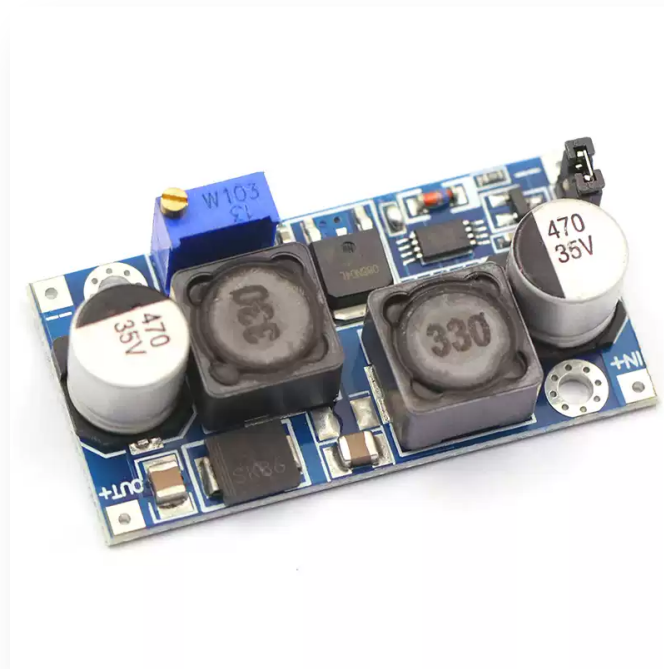


25 W Automatic Buck-Boost Converter

3-15 V input to adjustable 0.5-30 V regulated 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	Automatic non-isolated buck-boost converter
Input voltage	3-15 VDC
Adjustable output	0.5-30 VDC
Maximum power class	25 W
Regulation	Automatic step-up / step-down operation
Adjustment	Multi-turn output-voltage control
Connections	Solder-pad input and output

Key Features

- Automatic buck-boost operation
- 3-15 V input range
- 0.5-30 V adjustable output
- Compact 25 W design

Operating Notes

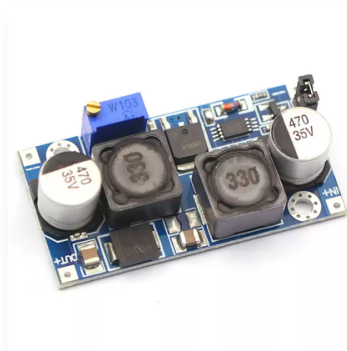
- Maximum usable power depends on voltage conversion ratio, cooling and source capability.
- Set output voltage before attaching the load.
- Observe polarity and provide airflow at elevated power.

Application and Connection Guide

APPLICATION & CONNECTION

BATTERY / SOLAR INPUT

3-15 VDC



REGULATED DC LOAD

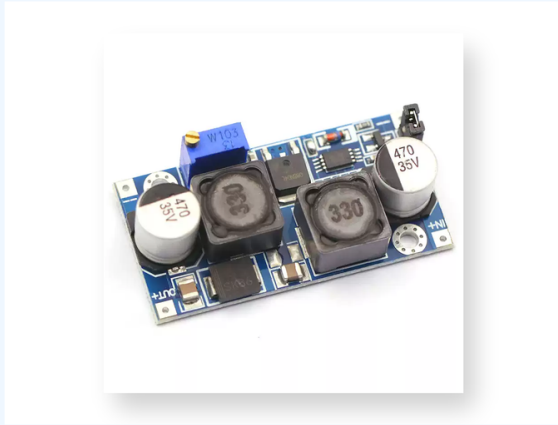
0.5-30 VDC

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 Automatic buck-boost operation

2 3-15 V input range

3 0.5-30 V adjustable output

4 Compact 25 W design