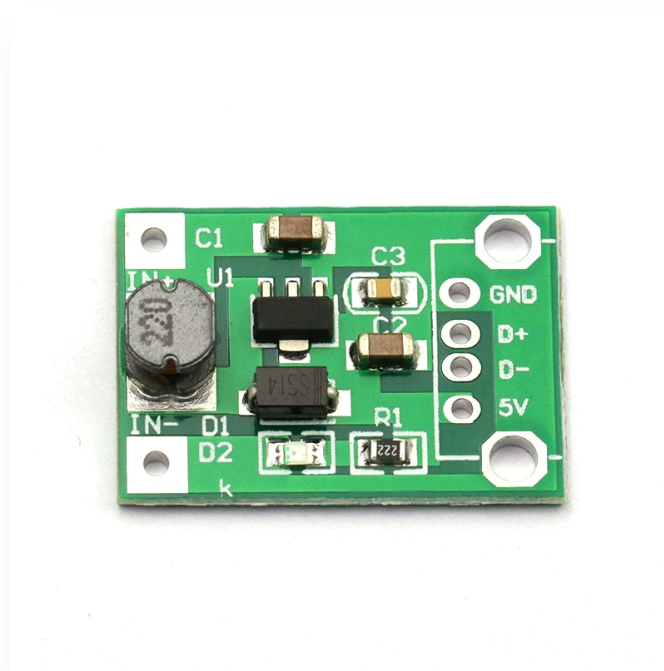


0.9-5 V to 5 V USB Boost Converter

Compact low-voltage step-up module for portable power applications



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
Input voltage	0.9-5 VDC
Output	5 V nominal USB supply
Conversion type	DC-DC boost converter
Input interface	Solder pads
Output interface	USB / 5 V pads
Output capability	Depends on input voltage, source resistance and thermal conditions

Key Features

- Starts from low input voltage
- 5 V USB-compatible output
- Compact PCB footprint
- Simple solder-pad connection

Operating Notes

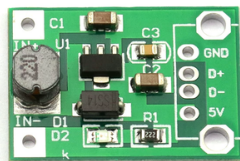
- Available output current decreases substantially at very low input voltage.
- The saved page notes a measured output near 5.3 V that may vary with battery condition.
- Verify output voltage before connecting a sensitive USB device.

Application and Connection Guide

APPLICATION & CONNECTION

BATTERY INPUT

0.9-5 VDC



USB LOAD

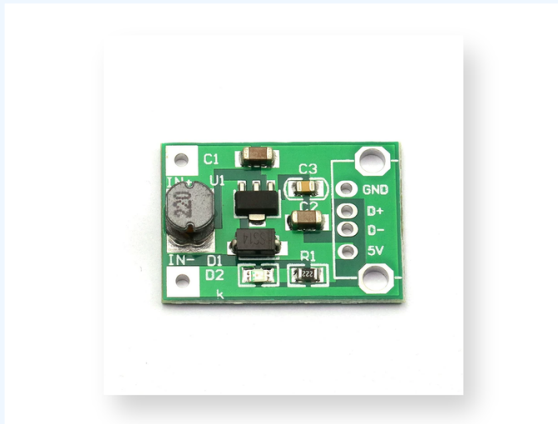
5 V nominal

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 Starts from low input voltage

2 5 V USB-compatible output

3 Compact PCB footprint

4 Simple solder-pad connection