

Vehicle 5 V USB Buck Converter with Voltmeter

DC step-down charging module with live input-voltage display



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
Output	Regulated 5 V USB
Display	Three-digit input-voltage display
USB connector	Type-A output
Input connection	Two-position screw terminal
Typical source	Vehicle battery or DC supply
Protection	Input and output protection functions stated by source

Key Features

- Regulated 5 V USB output
- Live battery-voltage display
- Compact vehicle installation
- Screw-terminal DC input

Operating Notes

- The saved page does not expose a reliable complete input/current range.
- Confirm polarity before applying power.
- Available charging current depends on source, cable and thermal conditions.

Application and Connection Guide

APPLICATION & CONNECTION

VEHICLE BATTERY

DC input



USB DEVICE

5 V 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 Regulated 5 V USB output**
- 2 Live battery-voltage display**
- 3 Compact vehicle installation**
- 4 Screw-terminal DC input**