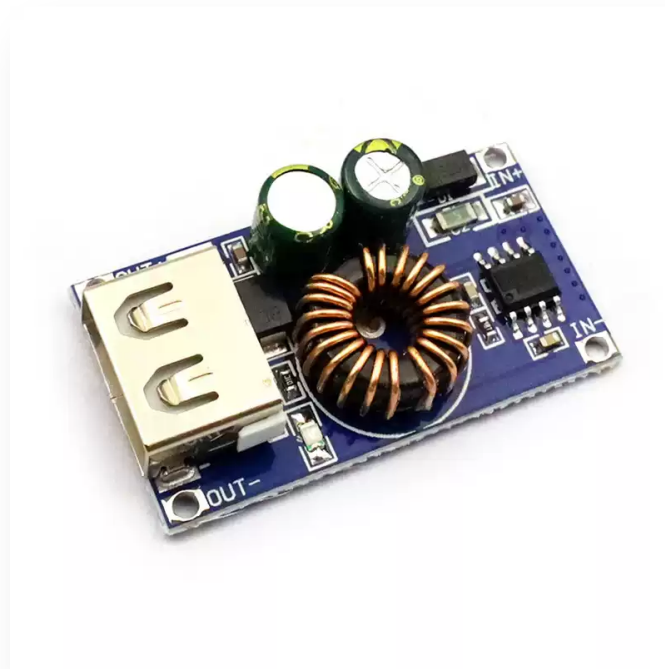


QC 3.0 USB Vehicle Buck Charger Module

12 V / 24 V vehicle input to negotiated fast-charge USB 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
Nominal input systems	12 V or 24 VDC
Charging protocol	Quick Charge 3.0
USB connector	Type-A output
Output behavior	Negotiated fast-charge voltage for compatible devices
Input connection	Solder-pad input
Typical use	Vehicle USB fast charging

Key Features

- QC 3.0 fast-charge support
- 12 V and 24 V vehicle input
- Compact USB output board
- Automatic device negotiation

Operating Notes

- The connected device selects a supported negotiated voltage.
- Confirm polarity and provide an input fuse.
- The saved page does not expose a reliable maximum continuous-current rating.

Application and Connection Guide

APPLICATION & CONNECTION

VEHICLE DC INPUT

12 / 24 VDC



QC-COMPATIBLE DEVICE

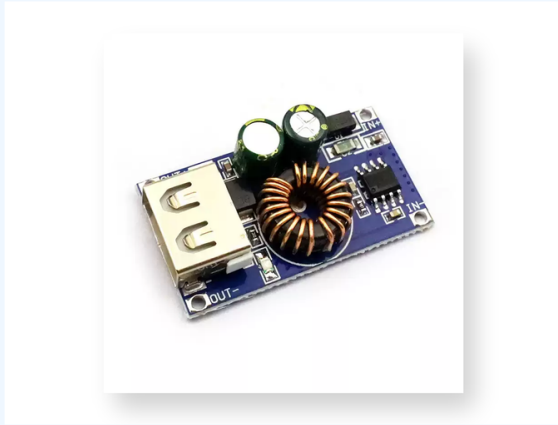
Negotiated USB output

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 **QC 3.0 fast-charge support**
- 2 **12 V and 24 V vehicle input**
- 3 **Compact USB output board**
- 4 **Automatic device negotiation**