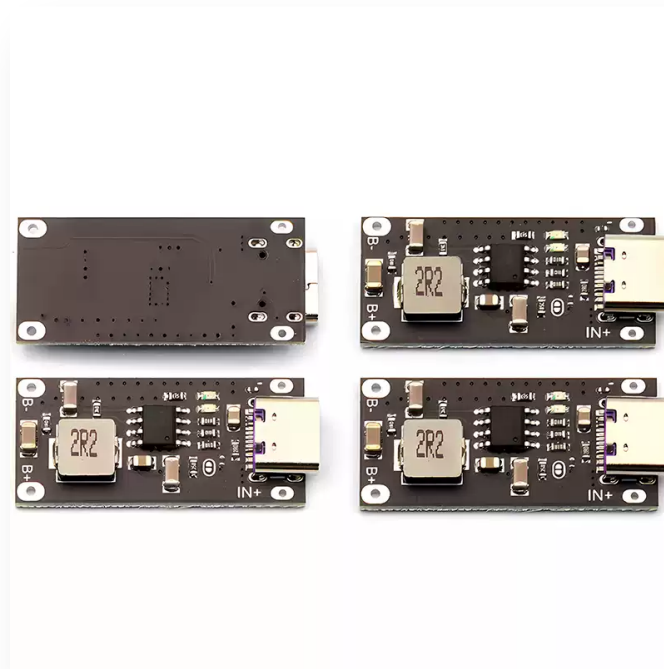


3 A Type-C Li-ion Fast-Charging Module

Adjustable single-cell charger with 4.2 V or 4.35 V termination variants



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
Battery chemistry	Ternary lithium-ion / lithium-polymer; not for 3.2 V LiFePO4
Input voltage	4.5-5.5 VDC
Input connector	USB Type-C
Termination-voltage variants	4.2 V or 4.35 V
Maximum charge current	3 A; adjustable by current-setting resistor
Indicators	Red charging LED and blue full-charge LED
Battery protection	Not included
State-of-charge display	Not included
Board dimensions	Approximately 32.5 x 15 mm

Key Features

- Up to 3 A charging current
- USB Type-C input
- 4.2 V and 4.35 V variants
- Compact high-efficiency layout

Operating Notes

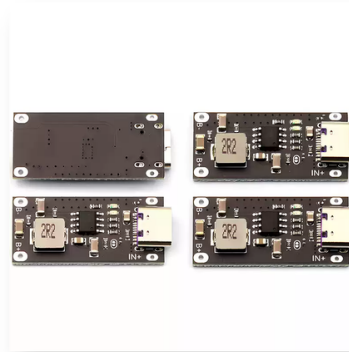
- Select the termination-voltage version that exactly matches the cell chemistry.
- This module has no battery-protection circuit; use a protected cell or external protection board.
- Provide a low-resistance 5 V supply and thermal management at high charge current.

Application and Connection Guide

APPLICATION & CONNECTION

5 V USB-C INPUT

4.5-5.5 VDC



1S LI-ION CELL

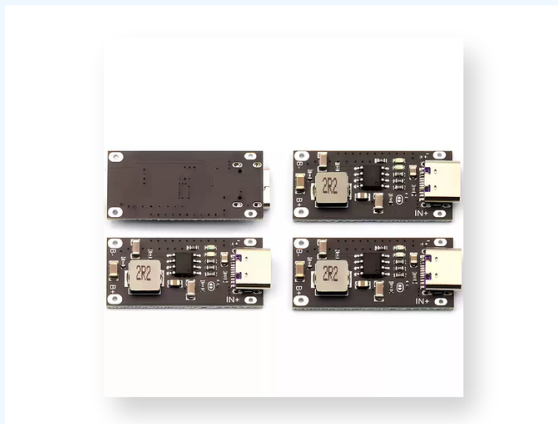
4.2 / 4.35 V

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 **Up to 3 A charging current**
- 2 **USB Type-C input**
- 3 **4.2 V and 4.35 V variants**
- 4 **Compact high-efficiency layout**