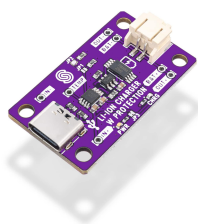


PRODUCT DATASHEET



Li-Ion Charger With Protection

333014

Charge lithium-ion batteries easily with this Li-Ion Charger featuring CC/CV technology and built-in protection against short-circuits.

Full product documentation, files and tutorials: solde.red/333014

CORE ATTRIBUTES

SKU 333014

WEIGHT 7 g

BARCODE 732388675005

DESCRIPTION

Lithium batteries are charged differently than regular batteries and devices. You'll need a li-ion charger like this one to charge them. Integrated with the CC/CV charging technology, it is the simplest way to charge a lithium-ion battery.

The board has a USB Type-C connector for power, a JST-type connector for batteries, the charging circuit, a protector, and two status LEDs. Comes with 7 pins that need to be soldered.

Product usage tips:

For older Li-ion charger with protection boards, connect the TEMP pin to GND to initiate charging. The red LED glowing means the battery is charging. Easy embedding into a project with the four mounting holes on the board.

Note: This charger has protection against short-circuit, too high, or too low voltage. It has no protection against reverse polarity.

TECHNICAL DETAILS

- **Max output current:** 500 mA
- **Logic voltage level:** 5V
- **Operating voltage:** 4.5V - 5.5V
- **Connectors:** USB Type-C (female), JST battery
- **Mounting holes:** 4
- **Dimensions:** 38 × 22 mm / 1.5 × 0.9 inch

SPECIFICATIONS

QWIIC COMPATIBLE

No

BREADBOARD COMPATIBLE	Yes
IC PART NUMBER	TP4056M
SUPPLY VOLTAGE MIN V	5
SUPPLY VOLTAGE MAX V	5
MAX OUTPUT CURRENT A	0.5
PROTECTION FEATURES	Overcharge, Overdischarge, Short Circuit

LINKS

Open Source Hardware Files	https://github.com/SolderedElectronics/Li-ion-charger-with-protection-hardware-design
Full Documentation	https://docs.soldered.com/li-ion-chargers/overview/
Hardware Details	https://docs.soldered.com/li-ion-chargers/hardware-details/
Pinout	https://cms.soldered.com/products/333014/media/333014_pinout-png_556d3b.svg

GALLERY

