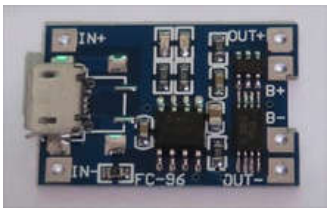
Categories

- Clearance Kits
- Super Specials
- Android
- Adafruit Feather
- Arduino
- Azure
- Audio Boards
- AudioFX
- ARM
- AVR
- Barcode Readers
- BBC micro:bit
- Beaglebone
- Books
- Breakout boards
- Cables
- CircuitPython
- Components
- Connectors
- Display
- EL Wire
- Ethernet
- Green Energy and Lighting
- Hardware
- Keyboard and Mouse
- Kits
- Magnets
- NFC
- Onion Omega
- Particle Spark
- PIC
- Power
- Printer
- Prototyping
- QWIIC
- Raspberry Pi
- Relay
- RFID
- Robot Kits
- Robotic Parts
- Sensors
- SMT
- Speakers
- SPECTACLE
- STEMMA
- Switches
- Test Equipment

Home Power Battery Charger TP4056 Single LiPo Cell Charger with Protection

TP4056 Single LiPo Cell Charger with Protection



Price: $4.00 (inc GST)
$3.64 (exc GST)

SKU: TP4056

Current Stock: 11

Quantity: 1 ADD TO CART

Product Description

This tiny module is perfect for charging single cell 3.7V 1 Ah or higher LiPo cells such as 16550s that **don't have their own protection circuit**.

This is not for any LiPo batteries sold by us that have the JST plug and wire fitted - these already have a protection circuit. Instead, use one of the Adafruit, Freetronics or Seeed charger boards.

Based around the TP4056 charger IC and DW01 battery protection IC this module will offer 1A charge current then cut off when finished.

Futhermore when the battery voltage drops below 2.4V the protection IC will switch the load off to protect the cell from running at too low of a voltage - and also protects against over-voltage and reverse polarity connection (it will usually destroy itself instead of the battery) however please check you have it connected correctly the first time.

Using the module:

- Connect micro USB cable for power, or 5V DC to pads marked IN+ and IN- on left-hand side of the module
- Connect cell to charge to B+/B- pads on right-hand side of module
- A load (something for the battery to power) can be connected to the OUT+/OUT- pads on the right-hand side
- **Important!** Disconnect load when charging
- The red LED indicates chaging in progress, green LED indicates charging has finished.
- Never charge your battery at a rate greater than 1C.

Specifications:

- Input voltage: 5V via microUSB or solder pads on left-hand side of module
- Full charge voltage: 4.2V
- Charging current - 1A by default. However you can change this by changing the 1k2 resistor next to the "IN-" pad the bottom-left of the board. See the Rprog table on page three of the data sheet for different values and matching charging currents
- Download the TP4056 data sheet (.pdf) and the DW01 data sheet (.pdf)

Find Similar Products by Category

Power Battery Charger

Customers Who Viewed This Product Also Viewed

Freetronics USB LiPo Charger Module

$12.00

Add To Cart

LiPo Rider Pro

$29.95

Add To Cart

Add to Wish List

Click the button below to add the TP4056 Single LiPo Cell Charger with Protection to your wish list.

ADD TO WISH LIST

Related Products

SparkFun Adjustable LiPo Charger
$16.95

SparkFun USB LiPoly Charger - Single Cell
$22.95

White 12V 29mm Panel Lamp
$6.95

Freetronics USB LiPo Charger Module
$12.00

4056 BCD to 7 Seg Decoder IC
$2.75

You Recently Viewed...

TP4056 Single LiPo Cell Charger with Protection
$4.00
Add To Cart

Tools
Touch Screen
Toys
USB Serial
Valves
Wearable Electronics
Wireless
Wires
Virtual Dumpster
Retired

Adafruit Micro Lipo w/MicroUSB Jack - USB LiIon/LiPoly charger
$12.95
Add To Cart

New Products

Adafruit 16-Channel PWM / Servo Bonnet for Raspberry Pi
$19.95
Add To Cart

QI Wireless USB Phone Fast Charging Pad
$31.95
Add To Cart

Raspberry Pi Camera - 5 Megapixel
$19.95
Add To Cart

AM2320 Digital Temperature and Humidity Sensor
$7.95
Add To Cart

Raspberry Pi 3 B+
$59.95
Add To Cart

Our Newsletter

Your First Name:

Your Email Address:

SUBSCRIBE