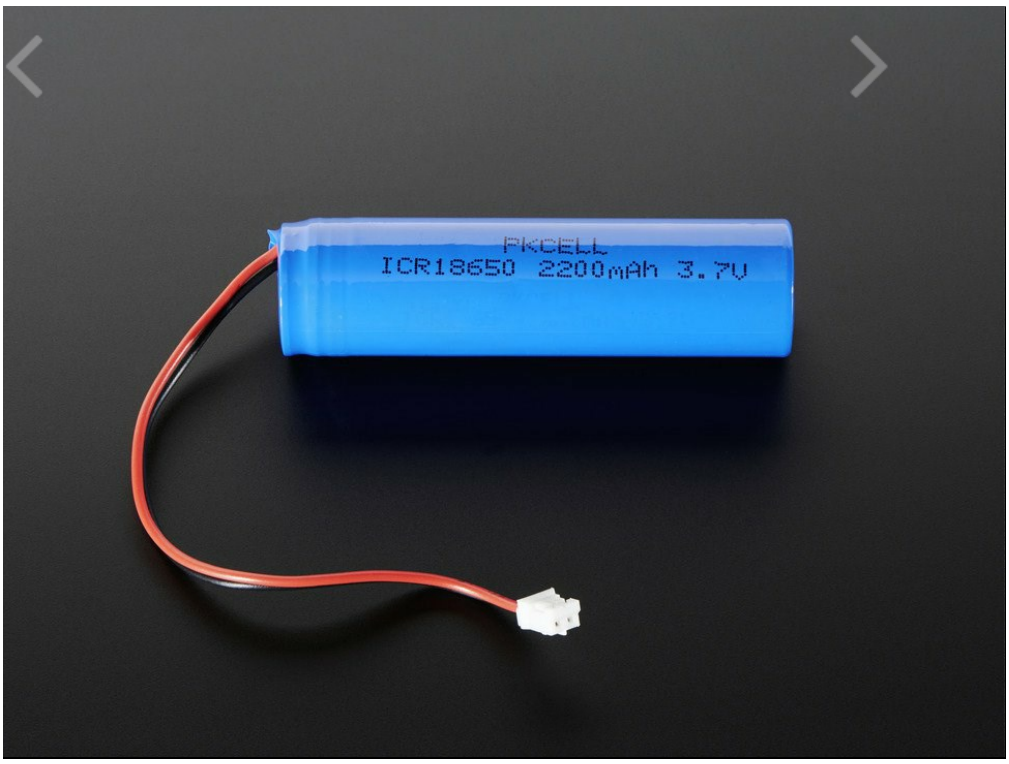

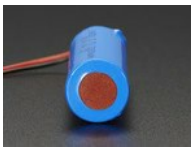

Lithium Ion Cylindrical Battery - 3.7v 2200mAh

PRODUCT ID: 1781

IN STOCK

1 ADD TO CART

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DESCRIPTION

TECHNICAL DETAILS

DESCRIPTION

Need a big battery for your project? This lithium ion battery contains a 2200mAh and a protection circuit that provides over-voltage, under-voltage and over-current protection. Yet, it is slim and easy to fit into many project cases.

This cell can provide 2**C** of peak current (4400mA). Note that these batteries are not designed to sustain such high loads, we suggest keeping any constant current draw under about 0.5**C** (1 Amp)

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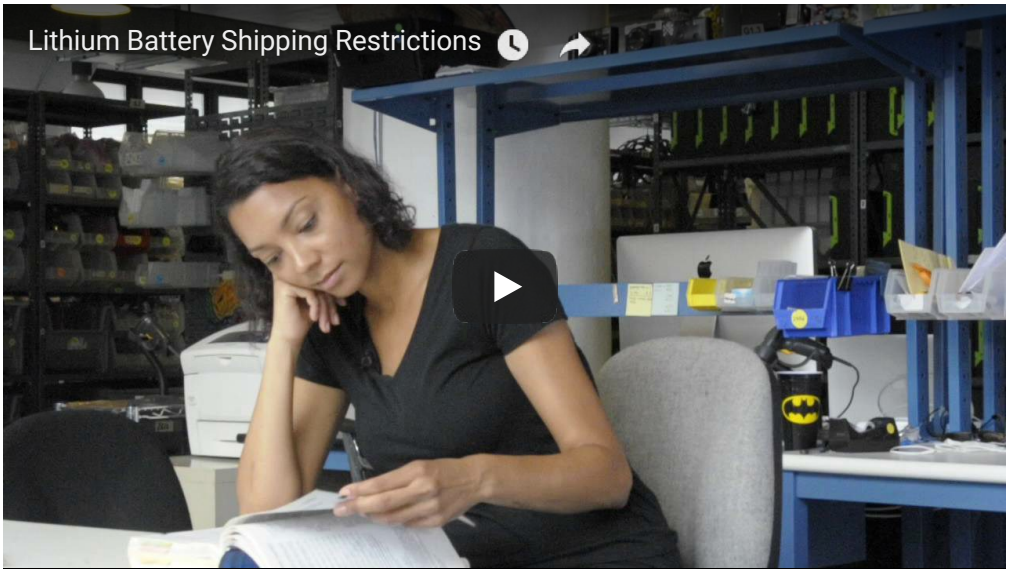
The battery comes with color coded wires, but to use with our chargers you'll likely want to connect a JST 2-pin cable (included!). Because they have a genuine JST connector, not a knock-off, the cable wont snag or get stuck in a matching JST jack, they click in and out smoothly. The cables are rated for 2A so if you use them keep that in mind.

The included protection circuitry keeps the battery voltage from going too high (over-charging) or low (over-use) which means that the battery will cut-out when completely dead at 2.5V. However, even with this protection **it is very important that you only use a LiIon/LiPoly constant-voltage/constant-current charger to recharge them and at a rate of 0.5C (1 Amp) or less.**

Like most lithium-ion packs, the batteries we sell do not have thermistors built in. This is why we suggest charging at 1/2C or even less - 1A max in this case. Of course, you can charge at a lower rate - it'll just take a little longer to fill up.

Additional safety notes: Do not use a NiMH/NiCad/lead-acid charger! Also, do not abuse these batteries, do not short, bend, crush or puncture. **Never charge or use unattended. Always inspect batteries and surrounding circuitry constantly for any damage, loose wiring, or possibility of short circuits.** Polarity matches all Adafruit LiPoly/LiIon chargers and boards, other brands may have reverse polarity and can destroy your battery. As with all Lithium ion polymer batteries and with any power source - they should be used by experts who are comfortable working with power supplies



TECHNICAL DETAILS

- Dimensions: 69mm x Diameter18mm
- Weight: 46g
- Nominal Capacity: 2200mAh ±2%
- Nominal Cell Voltage: 3.7-3.9V
- Standard Charge Current: ~0.2C / 0.5A
- Max Charge Current: 1C / 2.2A
- Charge Cut-Off Voltage: 4.2V
- Standard Discharge Current: 0.5C / 1.1A
- Discharge Cut-Off Voltage: 2.75V
- Impedance: ≤35mΩ

RoHS

MSDS Report

Spec/Data Sheet

Battery UN38.3 Test

LEARN

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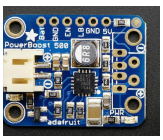
Overwatch Prop Gun: Lucio's Blaster Pt. 2

Part 2: Lights, music, and sound effects prop circuit integration

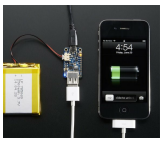


Adafruit PowerBoost 500 Basic

Boost up your batteries to power your project

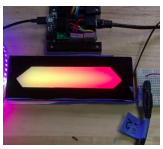
Overwatch Prop Gun: Lucio's Blaster Pt. 3

Part 3: Permanent circuit, 3D printing, and final assembly



Adafruit PowerBoost 500 + Charger

Your all-in-one Lipoly Charger+Booster solution for on-the-go projects

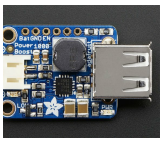


Level Shifting 3.3V microcontrollers and NeoPixels

Level shifters are like little bilingual translators for your electronics!

PiGRRL - Raspberry Pi Gameboy

The best enclosure for a Raspberry Pi!



Adafruit Powerboost 1000 Basic

Boost up your batteries to power your big project

Magic Wand

A Magic Wand responds to movement to cast spells

Adafruit Powerboost 1000C

A powerful rechargeable battery pack with load-share

Zelda: Breath of the Wild – 3D Printed Guardian Sword with NeoPixel LEDs

3D Print A Guardian Sword!

Techno-Tiki RGB LED Torch

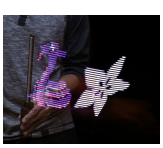
Turn a Tiki torch into a beautiful animated LED light display.

Boomy Pi Airplay Boombox

Stream Airtunes to Boomy!

Morning Star POV Double Staffs

288 points of twirling, programmable lights



CircuitPython Painter

POV DotStar Pixel Painter!

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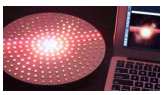
[Printy Boost: Reimagining a Classic Adafruit Kit]
Boost your cell phone or mobile device with this 3-D printed battery and charger

[USB Rechargeable Cordless Soldering Iron]
Hack your Hakko!



[LIGHTSHIP: LED Animation over WiFi]
Any sufficiently advanced technology is indistinguishable from magic.

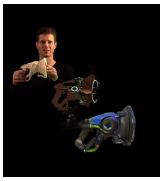
[Raspberry Pi Pipboy 3000]
Explore the apocalypse with a trusty Pi

[Supernova Poi]
They'll be able to see you spinning from Planet 9

[Booster Cable]
Data is Power! But power is not data - unless you know which wires to connect.

[3D Printed Glowing Mace Prop]
Make a medieval morning star for cosplay!

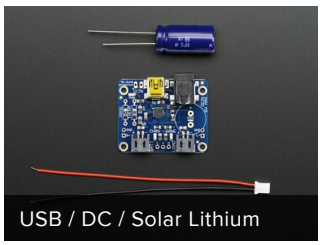
[Fix-It Felix Jr. Hammer with Sound FX]
I can make it!



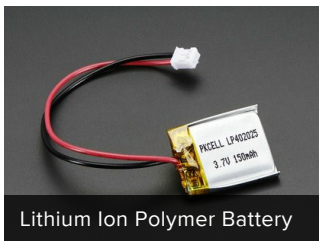
[Overwatch Prop Gun: Lucio's Blaster Pt. 1]
Lights, music, and sound effects prop circuit design

MAY WE ALSO SUGGEST...

Lithium Ion Battery Pack -

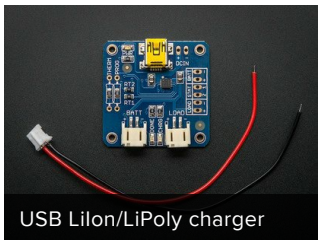


USB / DC / Solar Lithium



Lithium Ion Polymer Battery

Lithium Ion Battery Pack -



USB Lilon/LiPoly charger

Lithium Ion Polymer Battery

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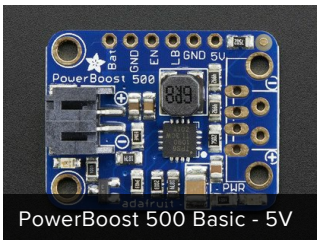
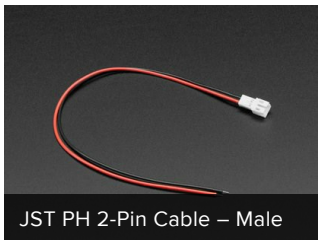
Lithium Ion Polymer Battery

Lithium Ion Polymer Battery

Lithium Ion Polymer Battery



PowerBoost 500 Basic - 5V



JST PH 2-Pin Cable – Male

Lithium Ion Battery - 3.7v

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"Failing to prepare is preparing to fail " - Benjamin Franklin

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4.9 ★★★★★ Google Customer Reviews

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