


# Lithium Ion Battery Pack - 3.7V 4400mAh

PRODUCT ID: 354

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## DESCRIPTION

Need a big battery for your project? This lithium ion pack is made of 2 balanced 2200mAh cells for a total of 4400mA capacity! The cells are connected in parallel and spot-welded to a protection circuit that provides over-voltage, under-voltage and over-current protection.

Each cell can provide 1A of current for about 4 hours so all together the peak current you can draw is a little over 1.5 Amps. Note that these batteries are not designed to sustain such high loads, we suggest keeping any constant current draw under 1A.

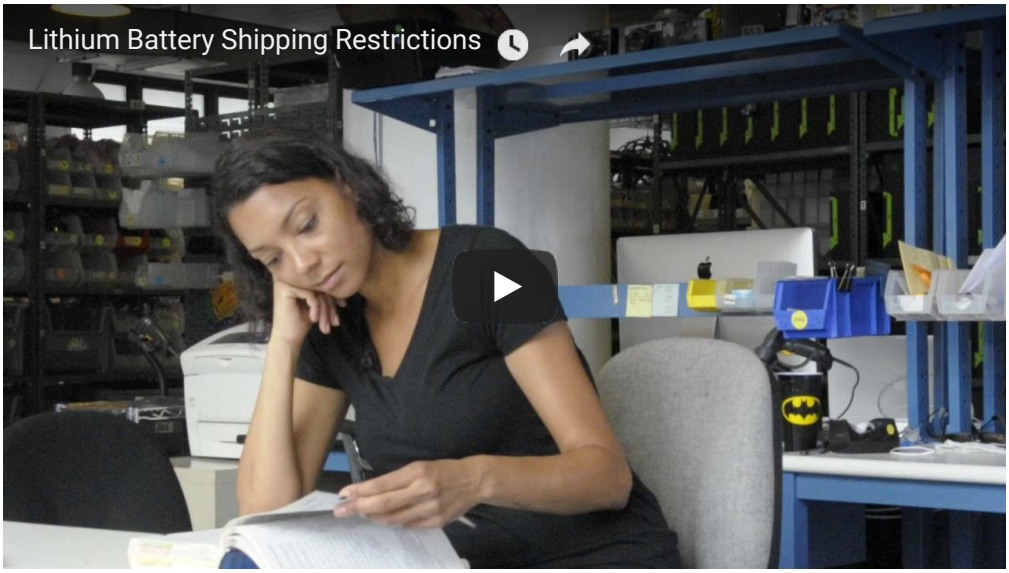
The packs come with color coded wires, and now they come with a JST 2-pin cable attached for use with our chargers! Because they have a genuine JST connector, not a knock-off, the cable wont snag or get stuck in a matching JST jack, they click in and out smoothly. The cables are rated for 2A so if you 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 (2.2A) or less.**

Like most lithium-ion packs, the batteries we sell do not have thermistors built in. This is why we suggest charging at 0.25C 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

- 2 x 2200mAh Lithium Ion 18650-sized cells in parallel
- Dimensions: 69mm x 37mm x 18mm / 2.7" x 1.5" x 0.71"
- Weight: 95 g/ 3.5 oz
- Max recommended charging rate: 1A
- Max recommended discharge rate: 2.2A

**Revision History:**

- As of 12/31/2014, these batteries come with a JST cable attached.

RoHS

MSDS Report

Datasheet

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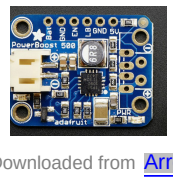

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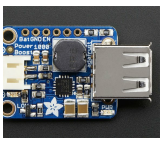

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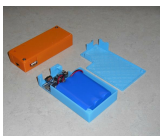

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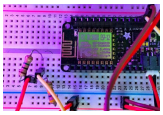

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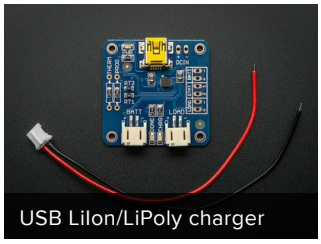

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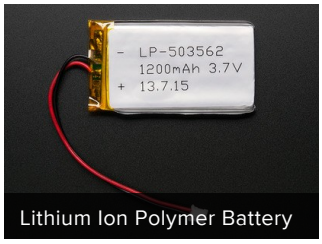


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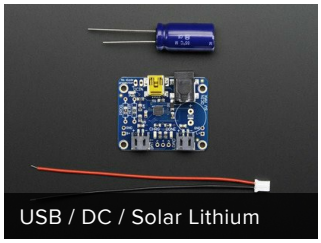
Lithium Ion Polymer Battery



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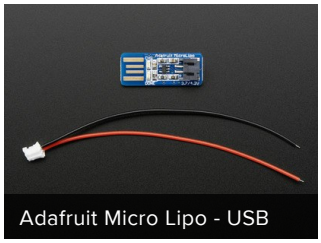

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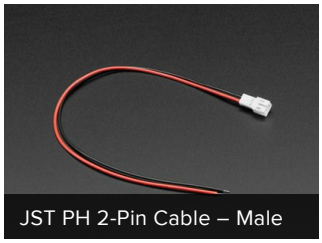

JST PH 2-Pin Cable – Male

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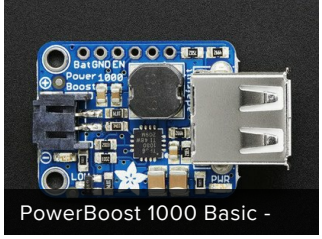
Lithium Ion Cylindrical

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