



Lithium Ion Polymer Battery - 3.7v 2500mAh

PRODUCT ID: 328

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1

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DESCRIPTION

TECHNICAL DETAILS



DESCRIPTION

Lithium ion polymer (also known as 'lipo' or 'lipoly') batteries are thin, light and powerful. The output ranges from 4.2V when completely charged to 3.7V. This battery has a capacity of **2500mAh** for a total of about 10 Wh. If you need a smaller battery, [we also have a 1200mAh model](#)

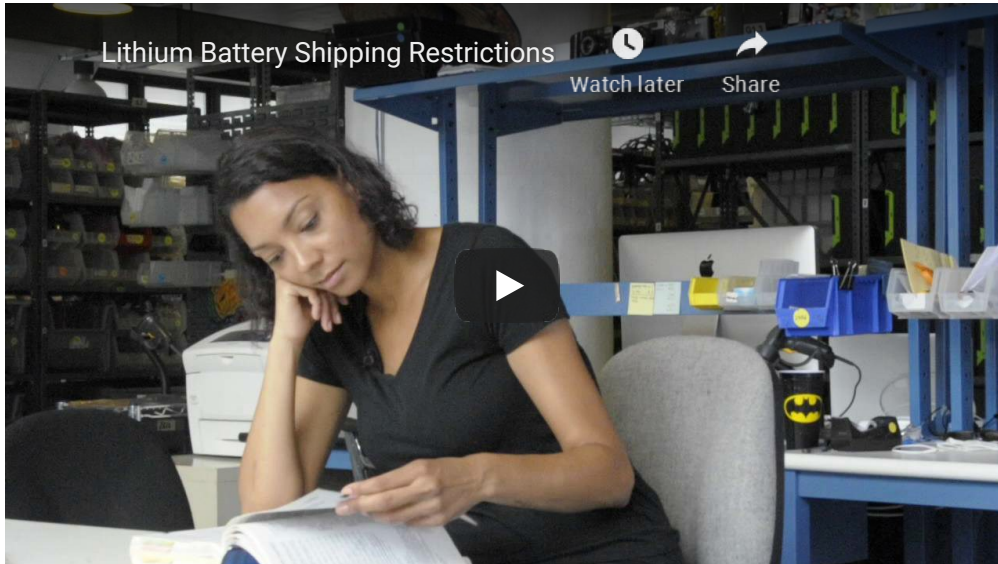
The batteries come pre-attached with a genuine 2-pin JST-PH connector as shown and include the necessary protection circuitry. Because they have a genuine JST connector, not a knock-off, the cable won't snag or get stuck in a matching JST jack, they click in and out smoothly.

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 ~2.8V. It will also protect against output shorts. However, even with this protection **it is very important that you only use a [Lilon/LiPoly constant-voltage/constant-current charger to recharge them](#) and at a rate of 1200mA or less.**

Like most lipos, the batteries we sell do not have thermistors built in. This is why we suggest charging at 1/2C or even less - 1200mA max in this case. Even 500mA is a good charge rate, which is how much you can get from a USB port.

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/Lilon 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

Details:

- Weight: 43g
- Size: 1.8" x 2.4" x 0.26" (47mm x 61mm x 6.7mm)
- Output: 2500mAh at 3.7V nominal



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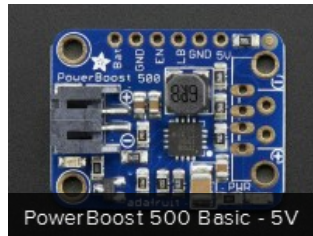
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Lithium Ion Polymer Battery



PowerBoost 500 Charger -



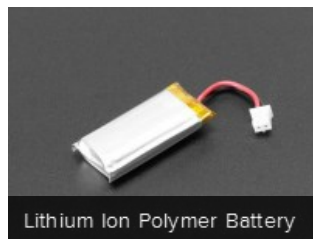
PowerBoost 500 Basic - 5V



Lithium Ion Cylindrical



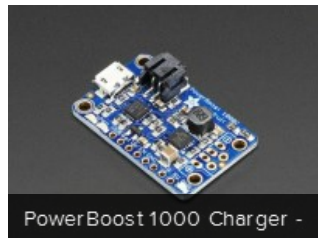
Lithium Ion Polymer Battery



Lithium Ion Polymer Battery



USB / DC / Solar Lithium



PowerBoost 1000 Charger -



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Lithium Ion Battery - 3.7v



Adafruit Micro-Lipo Charger



JST-PH 2-Pin SMT Right

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