



• 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 500mAh for a total of about 1.9 Wh. If you need a larger (or smaller!) battery, we have a full range of LiPoly batteries

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 wont 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 3.0V. It will also protect against output shorts. 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 150mA or less.** We suggest our Micro Lipo charger, which has a 100mA default rate. You can also set the Micro Lipo to 500mA rate for a faster charge.

Like most lipos, the batteries we sell do not have thermistors built in. This is why we suggest charging at 1 C or even less - 100 to 500mA is a good rate, and available from any USB port if using a USB-powered charger

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. 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: 10.5g
- Size: 29mm x 36mm x 4.75mm / 1.15" x 1.4" x 0.19"
- Power Lead Length: 80mm / 3"
- Output: 500mAh at 3.7V nominal
- [Battery datasheet](#)
- [Battery test report](#)