

Adafruit Mini Lipo w/Mini-B USB Jack - USB Lilon/LiPoly charger - v1

PRODUCT ID: 1905

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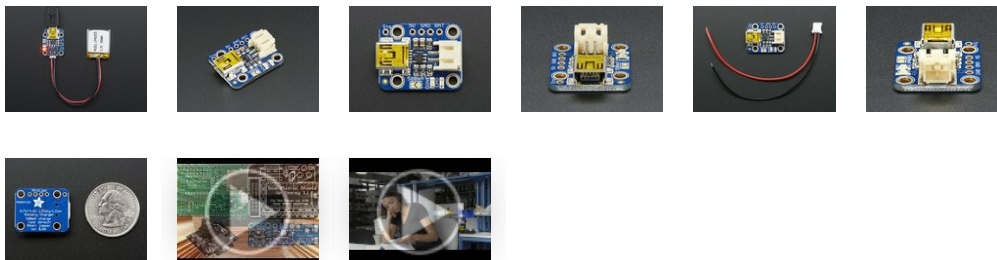
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DESCRIPTION

TECHNICAL DETAILS

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DESCRIPTION

Oh so handy, this little lipo charger is so small and easy to use you can keep it on your desk or mount it easily into any project! Simply plug it via any MiniUSB cable into a USB port and a 3.7V/4.2V lithium polymer or lithium ion rechargeable battery into the JST plug on the other end. There are two LEDs - one red and one green. While charging, the red LED is lit. When the battery is fully charged and ready for use, the green LED turns on. Seriously, it could not get more easy.

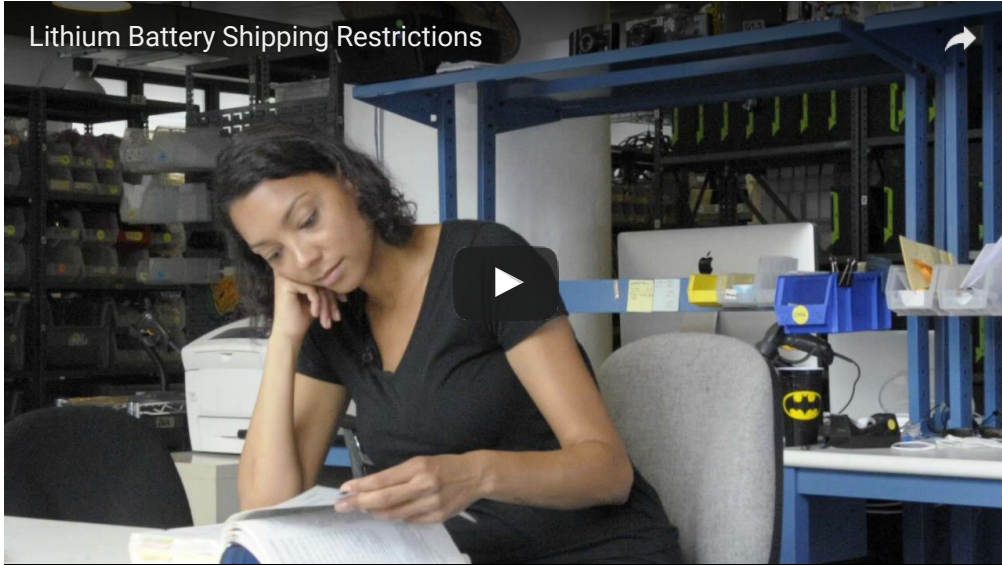
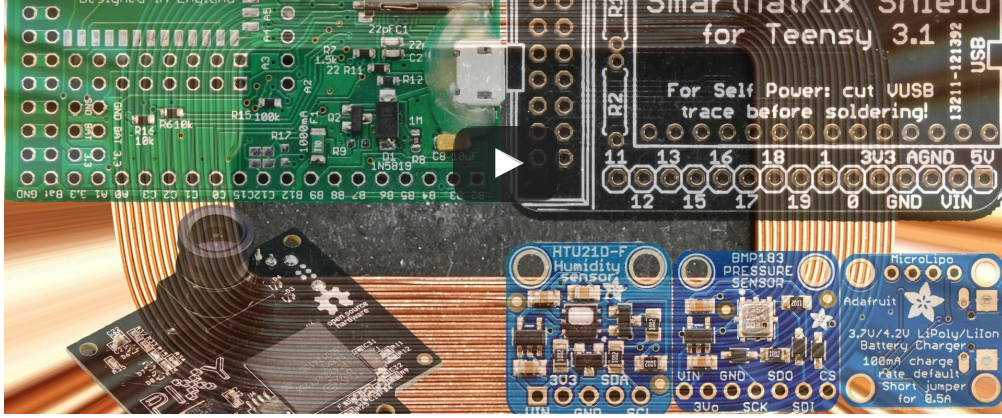
Charging is performed in three stages: first a preconditioning charge, then a constant-current fast charge and finally a constant-voltage trickle charge to keep the battery topped-up. The charge current is 100mA by default, so it will work with any size battery and USB port. If you want you can easily change it over to 500mA mode by soldering closed the jumper on the front, for when you'll only be charging batteries with 500mAh size or larger.

For use with Adafruit LiPoly/Lilon batteries only! Other batteries may have different voltage, chemistry, polarity or pinout.

- Comes assembled and tested with a free bonus JST cable!
- 5V input via Mini-B USB connector
- For charging single Lithium Ion/Lithium Polymer 3.7/4.2v batteries (not for older 3.6/4.1v cells)
- 100mA charge current, adjustable to 500mA by soldering a jumper closed

Batteries not included.

New Products 6/4/2014

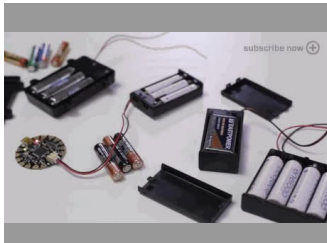


TECHNICAL DETAILS

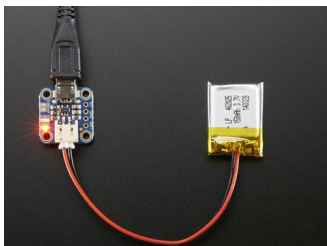
Details:

- Dimensions: 24mm x 19mm x 2mm / 0.9" x 0.7" x 0.08"
- Height w/ JST: 7mm / 0.3"
- Weight: 2.5g
- [Datasheets](#), [PCB CAD files](#), and [Fritzing objects](#) available in the tutorial

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Bite-sized LiPoly/LiIon chargers

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USB Boost @ 500mA from
1.8V+



Lithium Ion Battery Pack -
3.7V 6600mAh



USB cable - 8' A to Mini B
Charging and Micro B Data



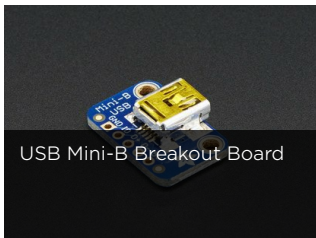
Lithium Ion Polymer Battery
- 3.7v 100mAh



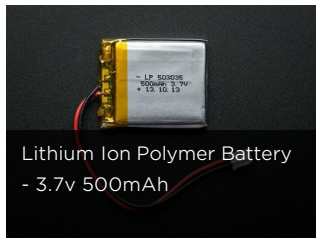
USB Charger Doctor - In-line
Voltage and Current Meter



Lithium Ion Polymer Battery
- 3.7v 150mAh



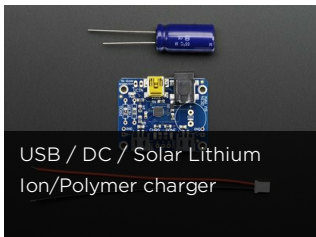
USB Mini-B Breakout Board



Lithium Ion Polymer Battery
- 3.7v 500mAh



Lithium Ion Battery Pack -
3.7V 4400mAh



USB / DC / Solar Lithium
Ion/Polymer charger



Lithium Ion Cylindrical
Battery - 3.7v 2200mAh



USB cable - A/MiniB

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