

# Polymer Lithium Ion Battery - 400mAh

PRT-10718 ROHS ✔ 301





\$6.95	
1	quantity
•	637 in stock
\$6.95	1+ units
\$6.60	25+ units
\$6.26	100+ units

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**Description:** This is a very small, extremely light weight battery based on the new Polymer Lithium lon chemistry. This is the highest energy density currently in production. Each cells outputs a nominal 3.7V at 400mAh! Comes terminated with a standard 2-pin JST-PH connector - 2mm spacing between pins. These batteries require special charging. Do not attempt to charge these with anything but a specialized Lithium Polymer charger.

Battery includes built-in protection against over voltage, over current, and minimum voltage. Please use caution when using this battery in wearable projects. When using conductive thread, a short in the thread can create sparks and heat. We recommend using coin cell batteries for beginners.

**Note:** Due to the requirements of shipping these batteries, orders may take longer to process and therefore do not qualify for same-day shipping. Sorry for any inconvenience this may cause.

**Note:** Be careful with the JST connectors. They can stick in pretty good and tugging on them can damage the connector. Check this tutorial for an easy way to remove them safely.

Dimensions: 5 x 25 x 35mm

Weight: 9g

Features:

- 2C continuous discharge very high for low price
- Excellent long-term self-discharge rates (<8% per month)
- Robust power source under extreme conditions (-25 to 60C)

#### **Documents:**

- Datasheet (LiPo Cell)
- Datasheet (Protection Circuit)
- JST connector
- MSDS

#### **Recommended Products**

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SPARKFUN RECOMMENDED
Polymer Lithium Ion Battery - 2000mAh

**O** PRT-08483

\$12.95

 $\star\star\star\star$ 



► SPARKFUN RECOMMENDED SparkFun Power Cell - LiPo Charger/Booster

**O** PRT-11231

\$19.95

**★★★★**\$3



► SPARKFUN RECOMMENDED
Polymer Lithium Ion Battery - 110mAh
■ PRT-00731

\$6.95

★★★☆☆3



▶ SPARKFUN RECOMMENDED
SparkFun LiPo Charger Basic - Micro-USB

**O** PRT-10217

\$7.95

**★★★★**\$5

COMMENTS 28

REVIEWS ★ ★ ★ ★ ↑ 7

#### **Customer Reviews**



Based on 7 ratings:

5 star	2
4 star	5
3 star	0
2 star	0
1 star	0

1 of 1 found this helpful:

### ★★★☆ Grabbed one of these to run ESP8266 project

about 8 months ago by DidymusRex ✓ verified purchaser

It's a power-hungry little chip (WiFi with SOC) and this powered it nicely for over 6 hours. They are right about the JST connectors, thay can be tricky.

### ★ ★ ★ ☆ Took a hard fall

about 2 months ago by Member #368745 
✓ verified purchaser

and kept on working just fine. Charged quickly, powered a 16 LED array all night before taking a hard hit to the pavement. Everything stayed in tact and kept on working!

# ★ ★ ★ ☆ Great product, even better customer service.

about 7 months ago by TheRealTonyStark 
✓ verified purchaser

Long lasting, easy to recharge.

# ★ ★ ★ ★ Ploymer Lithium Ion Battery

about 5 months ago by Member #622062 ✓ verified purchaser

purchased for an Engineering student for "Tech Wearable" competition. They were pleased with the performance. Sparkfun prices and items are fantastic- you receive an instant invoice and follow-up emails regarding your purchase. Thanks.

### ★★★☆ Good.

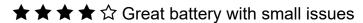
about 7 months ago by Member #467515 ✓ verified purchaser

If you have bought any of these LiPo batteries you have seen them all but the 400mah fits for me in a ideal compromise on dimensions. These packs are well built, nothing feeling cheap or dangerous. Generous wire lead length.



about 8 months ago by Member #62043 ✓ verified purchaser

A lot of mAhs for such a small battery!



about 8 months ago by Member #444068 ✓ verified purchaser

Very easy to use, compact and light, but a few issues. Used these batteries with young middle schoolers, and had a few batteries get their wires pulled out. Not sure if it was the kids being too rough or a bad batch, but tell your kids to be gentle and they work great.