



## Polymer Lithium Ion Battery - 400mAh

PRT-10718 ROHS ✓ 3D

★★★★☆ 7



# \$6.95

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 Ion 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

PAGE 1 OF 6



🔥 SPARKFUN RECOMMENDED  
 Polymer Lithium Ion Battery - 2000mAh  
 ⦿ PRT-08483  
**\$12.95**  
 ★★★★★ 7



🔥 SPARKFUN RECOMMENDED  
 SparkFun Power Cell - LiPo  
 Charger/Booster  
 ⦿ 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  
 ⦿ PRT-10217  
**\$7.95**  
 ★★★★★☆ 5

COMMENTS 28

REVIEWS ★★★★★ 7

## Customer Reviews

★★★★☆ 4.3 out of 5

Based on 7 ratings:

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

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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, they can be tricky.

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★★★★☆ 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!

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

about 7 months ago by TheRealTonyStark ✓ verified purchaser

Long lasting, easy to recharge.

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★★★★★ 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.

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★★★★☆ 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.

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★★★★★ Small but strong

about 8 months ago by Member #62043 ✓ verified purchaser

A lot of mAhs for such a small battery!

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★★★★☆ Great battery with small issues

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.

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