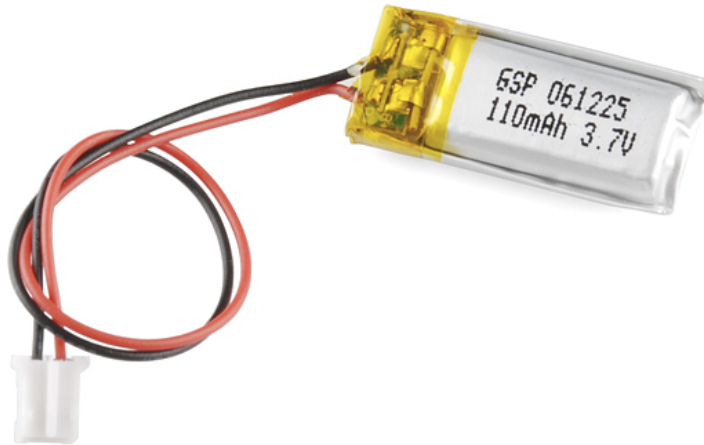




## Polymer Lithium Ion Battery - 110mAh

PRT-00731 ROHS ✓ 3D

★★★★☆ 3

**\$6.95**

1

quantity



707 in stock

\$6.95

1+ units

\$6.60

25+ units

\$6.26

100+ units

© images are CC BY-NC-SA 3.0

**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 110mAh! 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:** 5.7x12x28mm

**Weight:** 2.65g

**Features:**

- Excellent long-term self-discharge rates (<8% per month)
- Robust power source under extreme conditions (-25 to 60C)

#### Documents:

- Datasheet (The datasheet is incorrect, these are not limited to a 2C discharge and the dimensions are wrong)
- JST Connector
- Digikey 455-1734-1-ND (Top Entry)
- Digikey 455-1749-1-ND (Side Entry)
- MSDS

## Recommended Products

PAGE 1 OF 6



🔥 SPARKFUN RECOMMENDED  
Polymer Lithium Ion Battery - 400mAh  
🕒 PRT-10718  
**\$6.95**  
★★★★☆ 7



🔥 SPARKFUN RECOMMENDED  
SparkFun Power Cell - LiPo  
Charger/Booster  
🕒 PRT-11231  
**\$19.95**  
★★★★☆ 3



🔥 SPARKFUN RECOMMENDED  
SparkFun LiPo Charger Basic - Micro-  
USB  
🕒 PRT-10217  
**\$7.95**  
★★★★☆ 5



🔥 SPARKFUN RECOMMENDED  
Polymer Lithium Ion Battery - 1000mAh  
🕒 PRT-00339  
**\$9.95**  
★★★★☆ 7

COMMENTS 57

REVIEWS ★★★★★ 3

## Customer Reviews

★★★★☆ 3.3 out of 5

Based on 3 ratings:

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

---

0 of 1 found this helpful:

★☆☆☆☆ Boo, changed part without saying so!

about 2 months ago by Member #479189 ✓ verified purchaser

I ordered this part about 8 months ago, and it worked perfectly for my application. So a month ago I ordered a bunch more, but the new part is different– they must have changed the over-current regulation chip or something, because these new batteries don't power the motors that ran flawlessly using the old batteries. Lame! And they didn't assign the current stock to a new part number or make any kind of note that the batteries had changed. Almost Rs5,654.2 wasted :-)

👤 Single T replied on July 20, 2015:

Hi, I don't show any record of this part changing in almost 4 years. I'm sorry it didn't work in your application as you expected. I'll contact you directly to see what we can do for you.

Thanks

---

0 of 1 found this helpful:

★★★★☆ Nice Battery, slow shipping

about 7 months ago by Member #123262 ✓ verified purchaser

This is a nice small battery. It has improved since the last time I bought them with smaller, less stiff leads.

I asked for ground shipping, since that's the only way it could safely ship. However, even though it showed as in stock, it took almost a week before it was shipped. It needed special paperwork, but nobody seemed to get to doing it.

---

★★★★★ EXCELLENT wee battery

about 2 months ago by Member #681496 ✓ verified purchaser

So far, I've completed 5 separate projects and in all 5 I've used this battery. Haven't had any issue with them yet. Because they're small - they're SO much better than conventional batteries for my projects. I'm actually ordering more of them tonight.

---