

# Lithium-Ion Polymer Battery 3.7V 1000mAh

Lithium-Ion Polymer battery 553450P features 3.7V and 1000mAh. It includes a PCM and connector.



## Product Overview

### High-Performance Li-Polymer Solution

This 3.7V 1000mAh lithium-ion polymer battery is engineered for reliable performance in compact electronic applications. Featuring an integrated protection circuit module (PCM) and pre-installed connector, it ensures safe and convenient operation for integration. The cell is designed to operate across a broad temperature range and maintains consistent power delivery, making it an excellent choice for demanding B2B device manufacturing.

## Technical Specifications

### Capacity

**1000 mAh**

Capacity

**3.7 V**

Voltage

### Electrical Characteristics

Parameter	Value
Standard Charge Current	0.2C
Max Charge Current	1C
Max Continuous Discharge	1C
Charge Voltage	4.2V
Cut-off Voltage	3.0V
Internal Resistance	<180mohm

Model	553450P
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## Physical Properties

Weight	18 g
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## Operational Limits

### Temperature Ranges

- Charge: 0 to 45 °C
- Discharge: -20 to 60 °C
- Long-term Storage: 0 to 20 °C
- Short-term Storage: -10 to 35 °C

Cycle Life	300 cycles
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## Features

### Integrated Features

Built-in PCM, Connector Included, Li-polymer Chemistry, CC/CV Charging