

Li-Pol battery 3000mAh, 3.7V, 124050 with XH2.54 connector (2pin)

Reference: AM4642
EAN13: -
HS code: 85078000



Product attributes:

Product features:

Capacity: 3000 mAh
Capacity (Wh): 11.1 Wh
Voltage: 3.7 V DC
Connector: XH2.54 - 2pin
Thickness: 12 mm
Discharge current: 1C
Number of wires: 2

Product description:

Lithium-polymer (Li-Pol) rechargeable battery for powering portable and embedded electronic devices. With a nominal voltage of 3.7 V, it is suitable as a single-cell battery (1S) for applications requiring compact dimensions and low weight.

Technical specifications

- Type: Li-Pol (lithium-polymer) rechargeable battery
- Type designation: 124050
- Rated voltage: 3.7V DC
- Capacity: 3000mAh
- Energy: 11.1Wh
- Charging voltage: 3.7-4.2 V DC
- Max. discharge current: 1C
- Connector: XH2.54 - 2pin
- Number of wires: 2
- Dimensions: 50 × 40 × 12 mm
- Thickness: 12 mm
- Operating temperature: -10 to 50 °C
- Number of charging cycles: 2000
- Minimum self-discharge: approx. 5% per month

Functions and features

- Rechargeable Li-Pol cell with a nominal voltage of 3.7 V (1S)
- No memory effect
- Integrated protection chip
- Connection via 2pin XH2.54 connector

Ideal for

- Portable electronic devices and embedded applications
- Power supply for modules and devices with voltage for 1S Li-Pol (3.7 V)
- DIY projects, prototyping and service replacements of compatible batteries

Package contents

- Li-Pol battery 124050, 3.7 V, 3000 mAh, with XH2.54 connector (2pin)

Why choose this product?

- Clearly defined dimensions of 50 × 40 × 12 mm for structural design
- Standard nominal voltage of 3.7V and charging voltage up to 4.2V for common 1S chargers/BMS
- Integrated cell protection for basic operational safety
- XH2.54 (2pin) connector connection for quick integration

Installation and operating instructions

- Charge only with a charger designed for Li-Pol 1S with a final voltage of 4.2 V.
- When designing the device, consider the maximum discharge current of 1C.
- Observe the polarity of the connector and mechanically secure the wiring against tearing.
- To achieve a long service life, do not operate the battery outside the specified temperature range.

Safety notice

- Do not exceed the charging voltage of 4.2 V per cell.
- Do not discharge below 2.7 V; if the voltage drops below 2.7 V, the battery may be irreversibly destroyed.
- Avoid short circuits, mechanical damage, punctures and contact with water.
- Do not use the battery if it is visibly swollen, the packaging is damaged, or if it is heating up abnormally.

