

## Portronics POR-2510

# Portronics AAA Lithius Type C Rechargeable Batteries User Manual

## INTRODUCTION

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This manual provides essential information for the safe and efficient use of your Portronics AAA Lithius Type C Rechargeable Batteries. These lithium-ion batteries are designed as a sustainable alternative to disposable batteries, featuring an integrated Type-C charging port for convenience. They offer a stable 1.5V output with a 440mAh capacity (666mWh) and incorporate advanced protection features to ensure longevity and safety.

## SETUP

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Before initial use, fully charge the batteries. The Portronics Lithius Cell AAA batteries feature a built-in Type-C charging port, eliminating the need for a separate charger. Simply connect a standard USB Type-C cable to the battery and a compatible power source (e.g., USB wall adapter, computer USB port, car charger).

# Charging Made Crystal Clear



1. Blue Lights Blinks = Charging Mode.
2. Blue Light Stable = Fully Charged.



Image: Charging Made Crystal Clear. This image illustrates the charging process. The blue light on the battery blinks during charging and becomes stable when fully charged. Examples show charging via a multi-port adapter, a laptop, and a car charger.

## Charging Indicator:

- Blue light blinks: Battery is in charging mode.
- Blue light stable: Battery is fully charged.

## OPERATING INSTRUCTIONS

**Inserting Batteries:** Ensure correct polarity (+ and -) when inserting the batteries into your device. Refer to your device's manual for specific battery insertion instructions.

**Charging:** To charge, connect a USB Type-C cable directly to the battery's charging port. Use a compatible USB power source. Charging time may vary depending on the power source output.

# Type-C Rechargeable Cell

Modern Power, Smarter Reuse



This cell doesn't need a separate charger, just plug in any Type-C cable and charge

Image: Type-C Rechargeable Cell. This image highlights the integrated Type-C charging port on the battery, demonstrating how a Type-C cable connects directly for charging.

**Compatibility:** These AAA Lithius batteries are compatible with a wide range of devices that use standard AAA batteries. This includes, but is not limited to, remote controls, wireless mice and keyboards, toys, flashlights, electric toothbrushes, and blood pressure monitors.

# Wide Compatibility



Image: Wide Compatibility. This image displays several common devices such as a clock, remote control, toy car, game controller, blood pressure machine, and keyboard, indicating the broad compatibility of the AAA Lithius batteries.

## MAINTENANCE

To ensure optimal performance and longevity of your Portronics Lithius batteries, follow these maintenance guidelines:

- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- **Low Self-Discharge:** These batteries feature low self-discharge technology, meaning they retain most of their charge even after long periods of non-use. However, for best results, recharge them periodically if stored for extended durations.
- **Regular Use:** Regular charging and discharging cycles help maintain battery health.
- **Cleaning:** Keep battery terminals clean and dry. Use a clean, dry cloth to wipe off any dust or debris.

# Low Self-Discharge

## Long Lasting Power Supply

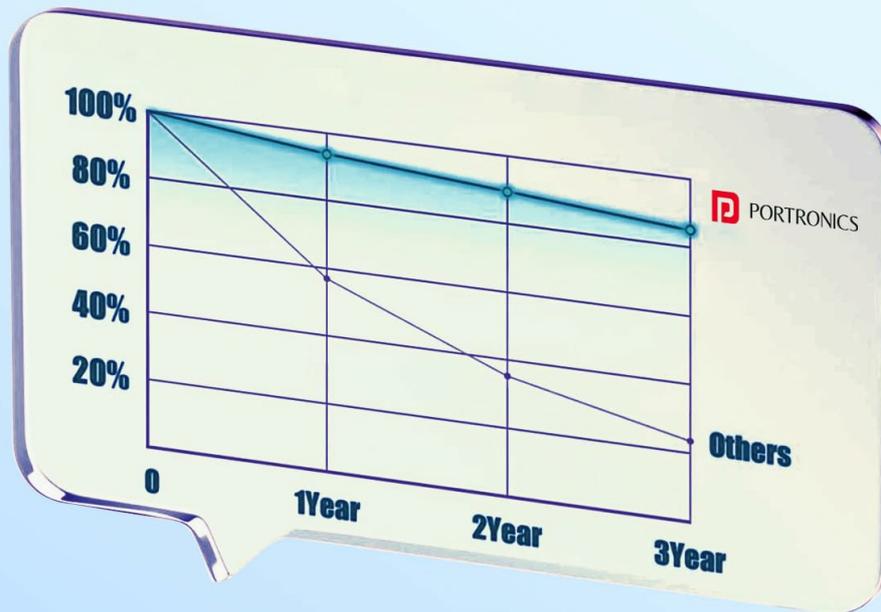


Image: Low Self-Discharge Long Lasting Power Supply. This graph compares the charge retention of Portronics Lithius batteries against other batteries over a three-year period, demonstrating superior low self-discharge performance.

# Charge. Reuse. Repeat

Power up sustainably — designed to recharge, reuse, and reduce waste



Battery Capacity - 1.5V , 440mAh

Image: Charge. Reuse. Repeat. This image emphasizes the sustainable aspect of the batteries, showing recycling symbols and a recycling bin, promoting reuse and waste reduction.

## TROUBLESHOOTING

If you encounter issues with your Portronics Lithius batteries, consider the following:

- **Battery Not Charging:** Ensure the Type-C cable is securely connected to both the battery and the power source. Verify the power source is active. Try a different Type-C cable or power source.
- **Device Not Powering On:** Check if the batteries are inserted with correct polarity. Ensure the batteries are fully charged. Test the batteries in another compatible device to rule out a device issue.
- **Reduced Performance:** Over time, all rechargeable batteries may experience a slight decrease in capacity. Ensure batteries are fully charged before use.

The batteries are equipped with advanced multi-layer protection features to prevent common issues:

# Advanced Multi-Layer Protection



Fireproof Shell & intelligent Protection



Short-Circuit Protection



Surge Protection



over-voltage Protection



Overheating Protection



Image: Advanced Multi-Layer Protection. This diagram highlights various safety features including Fireproof Shell & Intelligent Protection, Short-Circuit Protection, Surge Protection, Over-Voltage Protection, and Overheating Protection.

Additionally, the batteries feature a leak-proof design for enhanced safety:

# Leak Proof Design

Withstands Pressure Without Bursting



Image: Leak Proof Design. This image details the leak-proof construction, including a Short-Circuit Guard, Pressure Relief Valve, Dual-Lock Ring, and Reinforced Steel Shell, designed to withstand pressure without bursting.

## SPECIFICATIONS

<b>Brand</b>	Portronics
<b>Model Name</b>	Lithius Cell
<b>Model Number</b>	POR-2510
<b>Battery Type</b>	Lithium Ion
<b>Capacity</b>	440mAh (666mWh)
<b>Voltage</b>	1.5V
<b>Input</b>	DC 5V/0.1A (USB Type-C)
<b>Output</b>	1.5V/1.5A max

<b>Special Features</b>	Durable & Cost Effective Cell, Low Self Discharge, Type C Rechargeable Batteries, Upto 440mAh Capacity
<b>Product Dimensions</b>	7.8 x 5.9 x 1.9 cm
<b>Item Weight</b>	39 g
<b>Country of Origin</b>	China

## SAFETY INFORMATION

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Your Portronics Lithius batteries are designed with multiple safety features to protect both the batteries and your devices:

- **Over-Current Protection:** Prevents damage from excessive current flow.
- **Over-Discharge Protection:** Safeguards the battery from being discharged too deeply, extending its lifespan.
- **Fireproof Shell & Intelligent Protection:** Enhances safety against fire hazards.
- **Short-Circuit Protection:** Automatically cuts off power in case of a short circuit.
- **Surge Protection:** Protects against sudden voltage spikes.
- **Over-Voltage Protection:** Prevents damage from excessive charging voltage.
- **Overheating Protection:** Monitors and regulates battery temperature to prevent overheating.
- **Pressure Relief Valve:** A safety mechanism to release internal pressure.
- **Dual-Lock Ring & Reinforced Steel Shell:** Contributes to the leak-proof and durable design.

### Warning:

- Do not disassemble, puncture, or modify the battery.
- Do not expose to water or extreme temperatures.
- Keep out of reach of children.
- Dispose of batteries according to local regulations.

## WARRANTY AND SUPPORT

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For warranty information and customer support, please contact Portronics directly. The manufacturer details are provided below:

- **Manufacturer:** Portronics Digital Pvt. Ltd.
- **Email:** [help@portronics.com](mailto:help@portronics.com)
- **Phone:** +91 9555-245-245
- **Address:** First Floor Property No D 8 Upper Basement Sector 8 Noida Uttar Pradesh 201301, India

Please retain your proof of purchase for warranty claims.