

POWXS B0BRP9YV9J

POWXS AA Lithium Batteries User Manual

Model: B0BRP9YV9J | Brand: POWXS

INTRODUCTION

This manual provides essential information for the safe and effective use of POWXS AA Lithium Batteries. These non-rechargeable 1.5V lithium iron batteries are designed for high-performance devices requiring stable and long-lasting power.

Key Features:

- High Efficiency:** 3200mAh super capacity, providing 1.5V stabilized power supply.
- Long Lasting:** Up to 5 times longer lasting than standard alkaline batteries.
- Low Self-Discharge:** Maintains charge for up to 10 years in storage.
- Leakage Protection:** Designed with multilayer safety valves and diaphragm winding structure to prevent leakage.
- Wide Temperature Range:** Operates effectively from -68°F to 140°F (-55°C to 60°C).
- Lightweight Design:** Lighter than alkaline batteries, reducing device burden.



Figure 1: An 8-pack of POWXS AA Lithium Batteries, showcasing their black and yellow design.

SAFETY INFORMATION

Please read and understand all safety precautions before using these batteries. Failure to follow these instructions may result in fire, injury, or damage to property.

- **Non-Rechargeable:** These batteries are **NOT** rechargeable. Attempting to recharge them may cause leakage, fire, or explosion.
- **Proper Polarity:** Always insert batteries correctly according to the positive (+) and negative (-) marks in your device.
- **Do Not Mix:** Do not mix new and used batteries, or different types/brands of batteries.
- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Keep them in their original packaging until ready for use.
- **Disposal:** Dispose of used batteries according to local regulations. Do not incinerate or mutilate batteries.
- **Keep Away from Children:** Keep batteries out of reach of small children to prevent accidental ingestion. If

swallowed, seek immediate medical attention.

- **Avoid Short Circuits:** Do not short-circuit batteries by connecting the positive and negative terminals.
- **No Disassembly:** Do not disassemble, crush, puncture, or otherwise damage the batteries.



Figure 2: An exploded view diagram illustrating the multilayer safety valves, sealing ring, and diaphragm winding structure designed to prevent leakage in POWXS AA Lithium Batteries.

SETUP

Installing your POWXS AA Lithium Batteries is a straightforward process. Follow these steps for proper installation:

1. **Identify Battery Compartment:** Locate the battery compartment on your electronic device. This is typically found on the back, bottom, or side of the device.
2. **Open Compartment:** Open the battery compartment cover. Some covers may require a small screwdriver or a latch release.
3. **Observe Polarity:** Inside the compartment, you will see markings indicating the correct orientation for the positive (+) and negative (-) ends of the batteries.
4. **Insert Batteries:** Insert the POWXS AA Lithium Batteries one by one, ensuring that the positive (+) end of the battery aligns with the positive (+) terminal in the compartment, and the negative (-) end aligns with the negative (-) terminal.
5. **Close Compartment:** Once all batteries are correctly inserted, securely close the battery compartment cover.
6. **Test Device:** Power on your device to confirm that the batteries are installed correctly and providing power.

OPERATING INSTRUCTIONS

POWXS AA Lithium Batteries are designed for optimal performance in a wide range of electronic devices, especially those with high power demands.

General Use:

- These batteries are ideal for devices such as Blink cameras, video doorbells, flashlights, digital cameras, remote controls, gaming controllers, and toys.
- The stable 1.5V output ensures consistent performance throughout the battery's life, unlike alkaline batteries which may experience voltage drop.

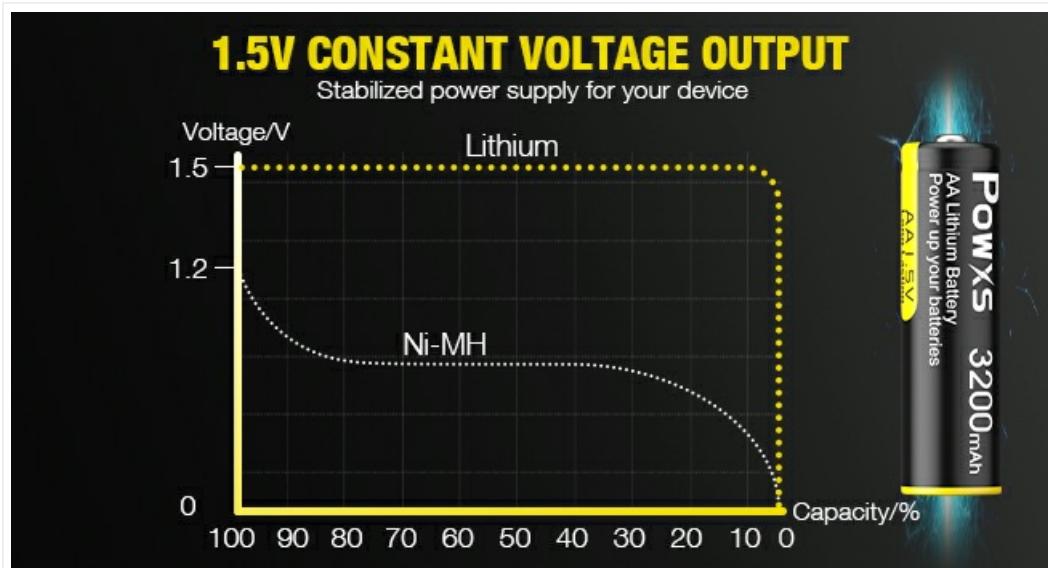


Figure 3: A graph illustrating the stable 1.5V constant voltage output of POWXS Lithium batteries compared to the declining voltage of Ni-MH batteries over discharge cycles.

Performance Characteristics:

- **High Capacity:** Each AA battery offers a 3200mAh capacity, providing extended run-time for your devices.
- **Extreme Temperature Resilience:** Designed to perform reliably in a wide range of temperatures, from extremely cold -68°F (-55°C) to hot 140°F (60°C) environments.
- **Lightweight:** Weighing approximately 15g per battery, they are significantly lighter than traditional alkaline batteries, making them suitable for portable devices.



Figure 4: POWXS AA Lithium Batteries shown in an outdoor setting, emphasizing their ability to maintain constant and stable power supply across a wide temperature range from -68°F to 140°F.

MAINTENANCE

Proper maintenance and storage will ensure the longevity and optimal performance of your POWXS AA Lithium Batteries.

- **Storage:** Store unused batteries in their original packaging or a dedicated battery case to prevent short circuits. Keep them in a cool, dry place at room temperature. The low self-discharge rate allows for storage up to 10 years.
- **Cleaning:** If battery terminals become dirty, gently wipe them with a clean, dry cloth. Do not use water or chemical cleaners.

- **Disposal:** When batteries are depleted, dispose of them responsibly. Many recycling centers accept lithium batteries. Do not throw them in household waste.

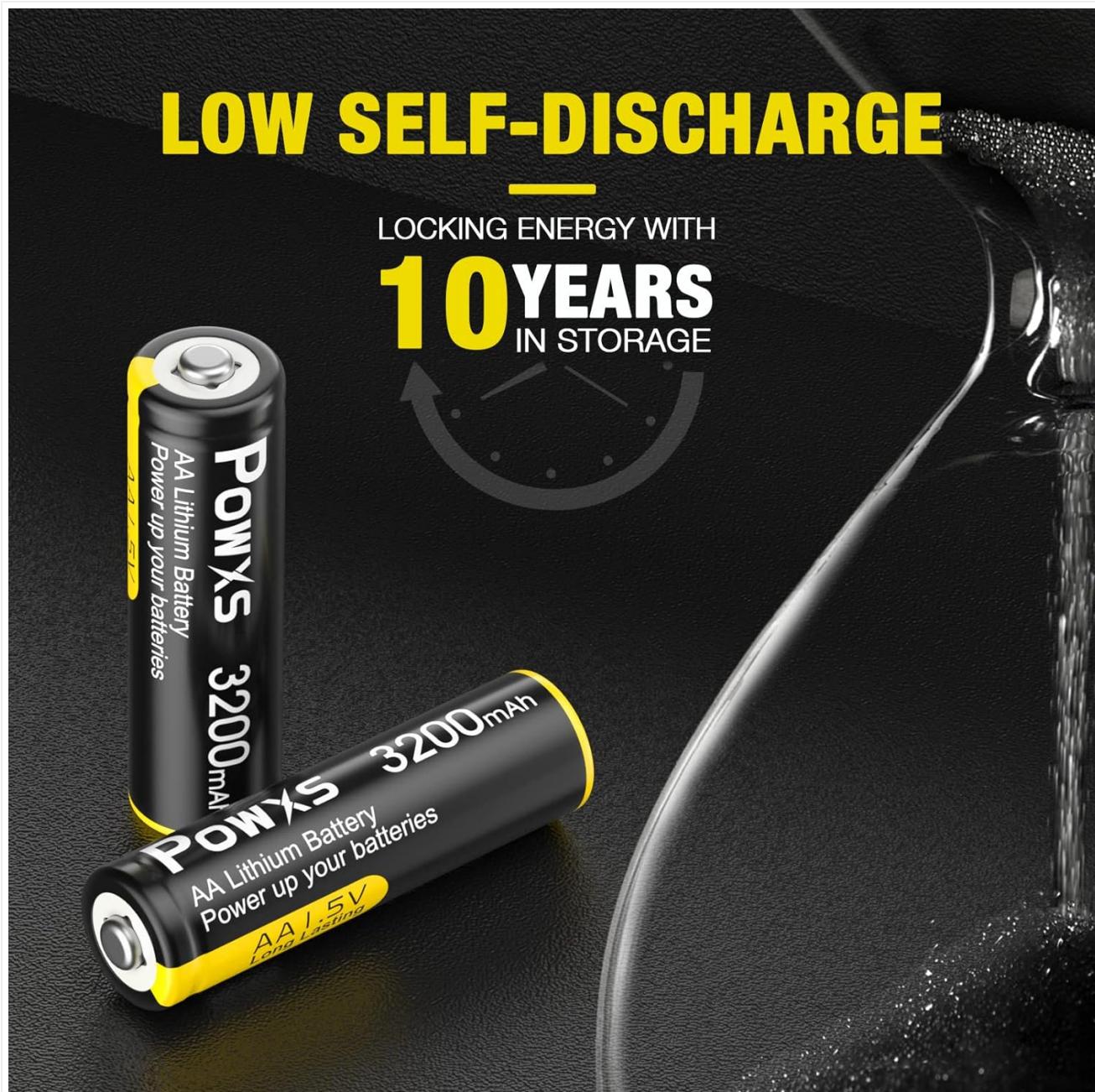


Figure 5: POWXS AA Lithium Batteries highlighting their low self-discharge rate, allowing them to retain energy for up to 10 years in storage.

TROUBLESHOOTING

If you encounter issues with your POWXS AA Lithium Batteries, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-------------------------|---|--|
| Device not powering on. | Incorrect battery insertion (polarity). Batteries are depleted. Device malfunction. | Check and correct battery polarity. Replace with new POWXS AA Lithium Batteries. Test the device with known working batteries. |

| Problem | Possible Cause | Solution |
|---------------------|--|--|
| Short battery life. | High-drain device usage. Batteries stored improperly. Counterfeit batteries. | Ensure batteries are suitable for your device's power requirements. Store batteries in a cool, dry place. Purchase batteries from authorized retailers. |
| Battery leakage. | Attempted recharging. Physical damage. Extreme temperatures. | Do NOT attempt to recharge these non-rechargeable batteries. Handle batteries carefully to avoid damage. Ensure batteries are used within their specified temperature range. Dispose of leaked batteries safely. |

SPECIFICATIONS

Detailed technical specifications for POWXS AA Lithium Batteries:

| Attribute | Detail |
|---------------------------|--|
| Battery Type | AA Lithium Iron (Non-Rechargeable) |
| Voltage | 1.5V (Stabilized Output) |
| Capacity | 3200 mAh |
| Chemistry | Lithium Metal |
| Operating Temperature | -68°F to 140°F (-55°C to 60°C) |
| Shelf Life | Up to 10 years |
| Item Weight (per battery) | Approximately 15g (0.53 ounces) |
| Package Dimensions | 4.17 x 2.44 x 0.51 inches (for 8-pack) |
| Model Number (ASIN) | B0BRP9YV9J |



Figure 6: An image depicting various rigorous safety tests performed on POWXS batteries, including forced discharge, thermal cycling, abnormal charging, over discharge, heat, high-altitude low pressure, acceleration, drop, squeeze, spray, error installation, short circuit, vibration, and impact tests.

WARRANTY AND SUPPORT

POWXS is committed to providing high-quality products and customer satisfaction.

- **Warranty:** This product comes with a 30-day worry-free return policy and a one-year limited warranty.
- **Customer Support:** For any questions, concerns, or technical assistance, please contact POWXS customer support through the retailer's platform or the official POWXS website. Refer to your purchase documentation for specific contact details.
- **Online Resources:** Visit the official POWXS brand store for additional product information and support:[POWXS Store on Amazon](#).