

- Manuals.plus /
- › Camelion /
- › Camelion AA Size NiCd Rechargeable Battery User Manual

Camelion AA Size NiCd 800 mAh

Camelion AA Size NiCd Rechargeable Battery User Manual

Model: AA Size NiCd 800 mAh

1. PRODUCT OVERVIEW

The Camelion AA Size NiCd (Nickel Cadmium) rechargeable batteries are designed for reliable and long-lasting power in various applications, particularly solar-powered devices. These batteries offer a capacity of 800 mAh and can be recharged multiple times, providing an environmentally friendly power solution.



Image 1.1: A pack of eight Camelion AA NiCd 800 mAh rechargeable batteries, showcasing the product packaging and individual battery design.

Each battery is 1.2V and is suitable for devices that typically use 1.2V or 1.5V AA alkaline batteries. They are ideal for solar garden lights, remote controls, game controllers, and other low-drain electronic devices.

2. SPECIFICATIONS

Attribute	Value
Size	AA
Voltage	1.2V
Capacity	800 mAh
Chemistry	Nickel Cadmium (Ni-Cd)
Dimensions (approx.)	1.96 inches (length) x 0.54 inches (diameter)

Recharge Cycles	Up to 500 times
Package Quantity	8 batteries (2x blister cards of 4)

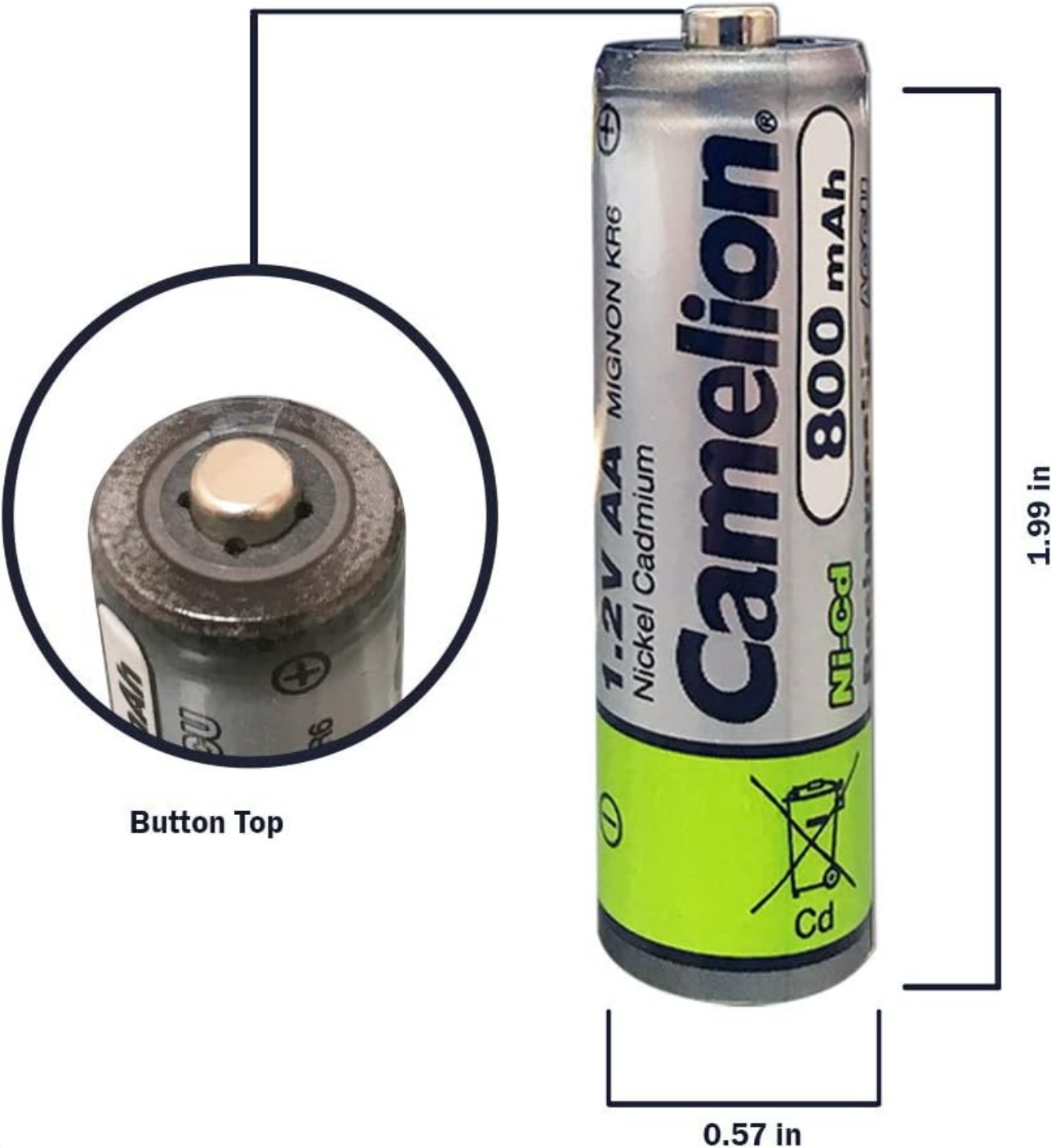


Image 2.1: Visual representation of the Camelion AA battery with its approximate dimensions and button top clearly marked.

3. SETUP AND INITIAL USE

Before first use, it is recommended to fully charge the batteries. While some batteries may come with a partial charge, a full charge ensures optimal performance and longevity.

3.1 Charging the Batteries

1. **Using a Dedicated Ni-Cd Charger:** Insert the Camelion AA NiCd batteries into a compatible Ni-Cd battery charger. Follow the charger's instructions for charging times.
2. **In Solar Devices:** For solar garden lights and similar devices, ensure the device is placed in direct sunlight for at least 8-10 hours to allow the integrated solar panel to charge the batteries. The initial charge may take longer.

Important Safety Note:

- DO NOT substitute these Ni-Cd batteries for Lithium batteries.
- Always use a charger specifically designed for Ni-Cd batteries. Using an incompatible charger can damage the batteries or pose a safety risk.

4. OPERATING INSTRUCTIONS

4.1 Battery Insertion

Insert the batteries into your device according to the polarity indicators (+ and -) marked inside the battery compartment. Incorrect insertion can prevent the device from functioning or damage the batteries.

4.2 Recommended Applications

Camelion Ni-Cd batteries are optimized for applications requiring consistent, low-drain power and frequent recharging. They are particularly effective in:

- Solar-powered garden lights (path lights, spot lights, sconces, decorative pieces)
- Remote controls
- Game controllers
- Wireless keyboards and mice
- Small electronic scales
- Other low-drain devices that use AA Alkaline 1.5V or 1.2V rechargeable batteries.



Perfect for Solar Applications

Image 4.1: A Camelion AA battery highlighted within a solar garden light, demonstrating its suitability for solar applications.



Image 4.2: Examples of common household devices that can be powered by Camelion AA NiCd batteries, including remotes, mice, and small lights.

5. MAINTENANCE AND LONGEVITY

Proper maintenance can significantly extend the lifespan of your Camelion Ni-Cd batteries.

5.1 Recharge Cycles

These batteries are designed to be recharged up to 500 times, or even longer under optimal conditions. Regular recharging within their intended use cycle contributes to their long-term performance.

Camelion's Low Self Discharge



Recharge up to 500 Times

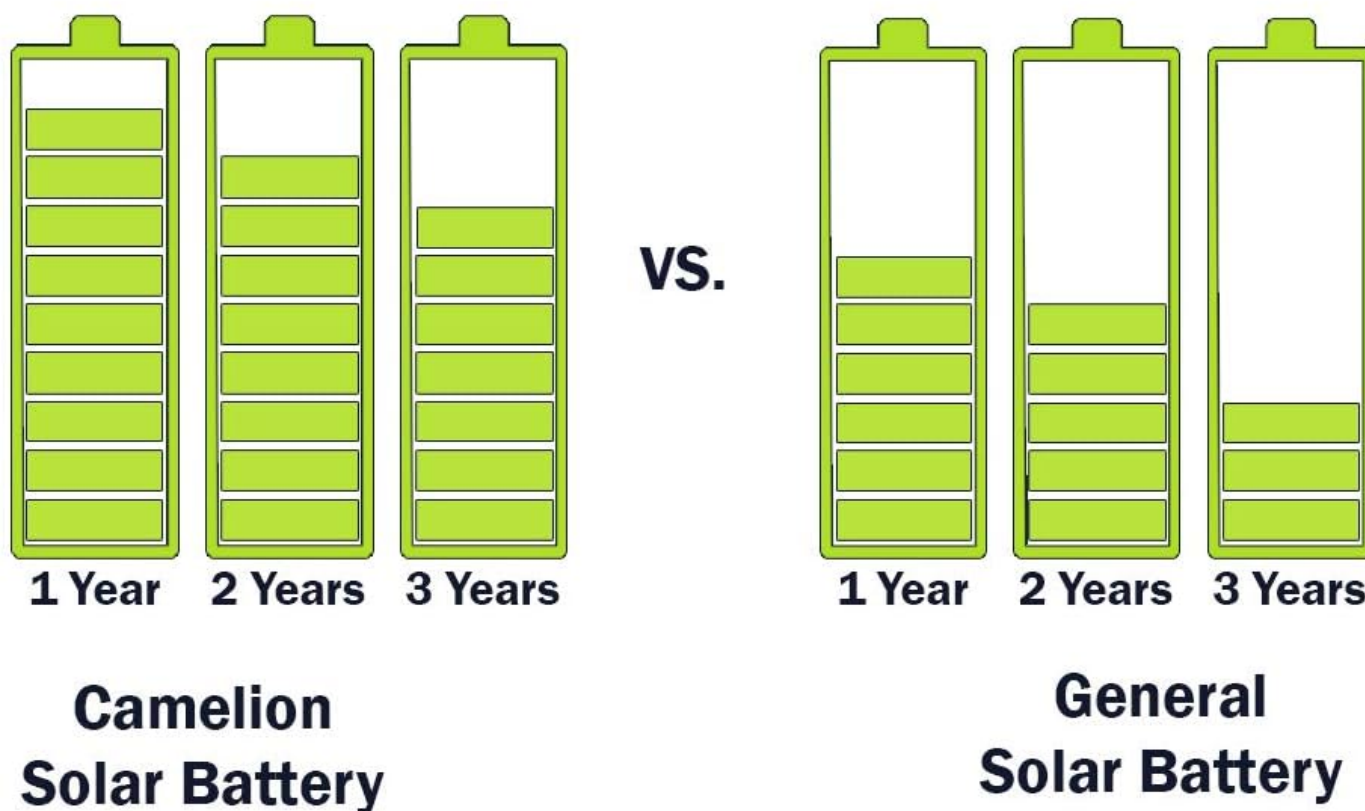


Image 5.1: Visual comparison demonstrating the low self-discharge characteristics of Camelion solar batteries, indicating better charge retention over time compared to general solar batteries.



1.2V AA 800 mAh Ni-Cd

High Capacity and Lifetime

Image 5.2: An illustration highlighting the high capacity and extended lifetime of Camelion AA NiCd batteries, suitable for repeated use.

5.2 Storage

For long-term storage, store batteries in a cool, dry place away from direct sunlight and extreme temperatures. It is advisable to store them with a partial charge (around 40-50%) to prevent deep discharge, which can reduce battery life.

5.3 Environmental Responsibility

Ni-Cd batteries contain cadmium, which is a heavy metal. Please dispose of used batteries responsibly at designated recycling centers. Do not dispose of them in household waste.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Battery not holding charge / Short runtime	Insufficient initial charge; Battery nearing end of life; Device has higher power requirements than expected.	Ensure batteries are fully charged before use. If in a solar device, ensure adequate sunlight exposure. Replace batteries if they are old or have undergone many charge cycles. Verify device compatibility.
Device not powering on	Incorrect battery polarity; Batteries not charged; Device malfunction.	Check battery insertion for correct polarity. Charge batteries fully. Test batteries in another compatible device to rule out battery issue. Consult device manual.
Batteries getting hot during charging	Overcharging; Incompatible charger; Damaged battery.	Disconnect from charger immediately. Ensure charger is specifically designed for Ni-Cd batteries. Do not use damaged batteries.

7. SAFETY INFORMATION

- Do not expose batteries to fire or extreme heat.
- Do not short-circuit the batteries.
- Do not disassemble, crush, or puncture batteries.
- Keep batteries out of reach of children and pets.
- If battery fluid leaks, avoid contact with skin and eyes. If contact occurs, rinse immediately with plenty of water and seek medical attention.
- Always use the correct type of charger for Ni-Cd batteries.
- Do not mix old and new batteries, or different types of batteries.

8. WARRANTY AND SUPPORT

For information regarding warranty, returns, or technical support, please refer to the seller's policy or contact Camelion customer service directly through their official website or the platform where the product was purchased. Camelion specializes in sustainable and green energy solutions. More information about their products can be found on their official brand store:

[Visit the Camelion Store on Amazon](#)

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