

Camelion Camelion AA 2700

Camelion AA 2700mAh NiMH Rechargeable Batteries User Manual

Model: Camelion AA 2700

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1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your Camelion AA 2700mAh High Capacity NiMH Rechargeable Batteries. These batteries are designed for high-drain devices such as toys, shavers, gaming controls, camera flashlights, flashlights, boomboxes, and microphones. Each set includes a convenient battery storage box.



Figure 1.1: Camelion AA 2700mAh NiMH Rechargeable Batteries (12 Count).

2. KEY FEATURES

- **High Capacity:** 2700mAh NiMH rechargeable batteries provide robust power for high-drain devices.
- **Low Self-Discharge:** A cobalt coating helps maintain a high charge even after extended storage periods.
- **Long Cycle Life:** Engineered with a special AB5 type alloy powder, these batteries offer up to 1000 recharge cycles with no memory effect.
- **Convenient Storage Cases:** Each set of four batteries comes with a professional storage case, suitable for both AA and AAA batteries.
- **Environmentally Friendly:** Manufactured without mercury, cadmium, or lead (0% Hg/Cd/Pb).



Figure 2.1: Batteries stored in the included protective case.

3. IMPORTANT SAFETY INFORMATION

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

- **Charging:** Only use chargers specifically designed for NiMH rechargeable batteries. Do not attempt to charge non-rechargeable batteries.
- **Polarity:** Always insert batteries correctly according to the positive (+) and negative (-) marks in the device and charger. Incorrect insertion can cause damage.
- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided storage cases to prevent short circuits.
- **Disposal:** Do not dispose of batteries in fire. Recycle used batteries according to local regulations.
- **Handling:** Do not short-circuit, disassemble, deform, or heat batteries. Do not mix new and old batteries, or different types of batteries.
- **Leakage:** If battery leakage occurs, avoid contact with skin and eyes. If contact occurs, flush with plenty of water and seek medical attention.
- **Children:** Keep batteries out of reach of small children. If swallowed, seek immediate medical attention.

4. SETUP AND FIRST USE

Your Camelion NiMH batteries are pre-charged and ready for immediate use upon purchase. For optimal performance and longevity, it is recommended to fully charge them before the first extensive use, and after long periods of storage.

1. **Unpack:** Carefully remove the batteries from their packaging and storage cases.
2. **Initial Charge (Recommended):** Place the batteries into a compatible NiMH battery charger. Follow the charger's instructions for charging times. A full charge ensures the batteries are conditioned for maximum capacity.
3. **Insertion:** Insert the charged batteries into your device, ensuring correct polarity (+ and - terminals).



Figure 4.1: Individual Camelion AA 2700mAh battery.

5. OPERATING INSTRUCTIONS

These NiMH batteries are suitable for a wide range of electronic devices. Always refer to your device's user manual for specific battery requirements and installation instructions.

- **Device Compatibility:** Ensure your device is compatible with 1.2V NiMH AA batteries.
- **Installation:** Open the battery compartment of your device. Match the positive (+) and negative (-) terminals of the battery with the corresponding markings inside the compartment.
- **Usage:** Use the device as intended. When the device indicates low battery or ceases to function optimally, remove the batteries for recharging.
- **Removal:** When removing batteries, ensure the device is turned off.

6. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the lifespan of your Camelion rechargeable batteries.

- **Recharging:** Recharge batteries when they are depleted. Avoid overcharging or deep discharging, though NiMH batteries have no memory effect, consistent charging practices are beneficial.
- **Cleaning:** If battery terminals become dirty, gently wipe them with a clean, dry cloth. Do not use abrasive materials or liquids.
- **Long-Term Storage:** For storage longer than a few weeks, it is best to store NiMH batteries at approximately 50% charge in a cool, dry place. The low self-discharge feature helps maintain charge during storage.
- **Use Storage Cases:** Always use the provided plastic storage cases when transporting or storing batteries to prevent accidental short circuits and physical damage.



Figure 6.1: Batteries stored in multiple protective cases.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Batteries not charging.	Incorrect charger type; faulty charger; poor contact; battery fully charged.	Ensure charger is for NiMH batteries. Try a different charger. Clean battery and charger contacts. Check if battery is already full.
Device not powering on.	Batteries inserted incorrectly; batteries not charged; device malfunction.	Verify correct polarity (+/-). Recharge batteries. Test device with known working batteries.
Reduced operating time.	Batteries not fully charged; aging batteries; high-drain device.	Ensure full charge cycle. Batteries have a finite lifespan (approx. 1000 cycles). For very high-drain devices, operating time will naturally be shorter.
Batteries feel warm during charging/use.	Normal operation; overcharging; faulty battery/charger.	Slight warmth is normal. Excessive heat indicates a problem. Discontinue use/charging if excessively hot. Ensure proper ventilation.

8. PRODUCT SPECIFICATIONS

Attribute	Detail
Model Number	Camelion AA 2700
Battery Type	NiMH (Nickel Metal Hydride)
Battery Size	AA
Capacity	2700 mAh (Milliamp Hours)
Voltage	1.2V
Cycle Life	Up to 1000 cycles
Environmental Compliance	0% Mercury, Cadmium, Lead

Attribute	Detail
Package Dimensions	6.6 x 2.5 x 0.7 inches
Weight	1.15 Pounds (for 12 count)
Manufacturer	Camelion Battery Co., Ltd.

9. WARRANTY AND CUSTOMER SUPPORT

For warranty information or technical support regarding your Camelion AA 2700mAh NiMH Rechargeable Batteries, please contact the manufacturer directly.

Manufacturer: Camelion Battery Co., Ltd.

Please refer to the official Camelion website or your purchase documentation for the most current contact information and warranty details. Keep your proof of purchase for any warranty claims.

For additional resources, you may visit the Camelion Store on Amazon:[Camelion Store](#)