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› Lankoo CR123A USB Rechargeable Battery User Manual

Lankoo B0CT3F47J8

Lankoo CR123A USB Rechargeable Battery User Manual

Model: B0CT3F47J8

1. INTRODUCTION

This user manual provides essential information for the safe and effective use of your Lankoo CR123A USB Lithium-ion Rechargeable Batteries. These high-capacity 3.7V 700mAh batteries are designed for convenience and longevity, featuring a Type-C charging port and a long cycle life.

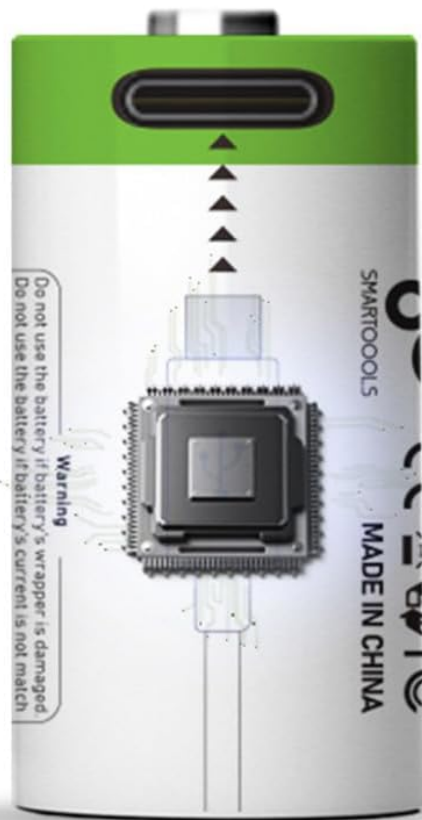


Figure 1: Lankoo CR123A USB Rechargeable Batteries and Charging Cables

2. SAFETY INFORMATION

Please read and understand all safety warnings before using the batteries to prevent injury or damage.

- **Do not disassemble, crush, or puncture the battery.** This can lead to internal short circuits, overheating, or fire.
- **Do not expose to extreme temperatures.** Avoid direct sunlight, heat sources, or temperatures below -40°C or above 70°C .
- **Use only compatible charging cables and power sources.** Ensure the voltage and current match the battery's requirements.
- **Keep out of reach of children and pets.** Ingestion can be dangerous.
- **Dispose of batteries properly.** Do not dispose of in household waste. Follow local regulations for lithium-ion battery recycling.
- **Avoid short-circuiting the battery terminals.** This can cause severe damage to the battery and potential fire hazard.
- **Do not mix with non-rechargeable batteries or batteries of different types/brands.**



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NEGATIVE MASS PROTECTION



Overcharge



Over Temperature



Short-circuit



Overcurrent



Earth Leakage



Over-voltage

Figure 2: Built-in Safety Protections

3. SETUP AND CHARGING

Before first use, fully charge the batteries.

1. Locate the Type-C charging port on the side of each battery.
2. Connect the provided Type-C USB cable to the battery's port.
3. Plug the other end of the USB cable into a compatible USB power source (e.g., AC adapter, power bank, computer USB port).
4. The LED indicator on the battery will show **Red** during charging.
5. Once fully charged (approximately 1.5 hours), the LED indicator will turn **Blue**.
6. Disconnect the battery from the charging cable once charging is complete.



1.5hr

TYPE-C CR123A 16mmx32mm

16:32

Figure 3: Fast Charging Capability

Charging Demonstration Video

Your browser does not support the video tag.

Video 1: Demonstration of CR123A battery charging and voltage output. This video shows the battery being connected to a power supply and a multimeter, demonstrating its 3.7V output and charging process.

4. OPERATING INSTRUCTIONS

These batteries are designed to replace standard alkaline CR123A batteries in various devices.

- Insert the fully charged Lankoo CR123A battery into your device, ensuring correct polarity (+/-).
- The 3.7V constant output is suitable for a wide range of devices including cameras, flashlights, photo equipment, smart sensors, light meters, and security cameras.
- The battery is designed for over 1200 charge cycles, providing long-term, cost-effective power.

This CR123A battery can replace the following models and sizing names: 123, 123A, BR2/3A, CR123, CR123A, CR123R, CR17335, CR17345, DL123A, EL123AP, K123, K123A, K123LA, L123A, RCR123, SF123A, VL123A, VL123A, 5018LC.



0Hg

1200times

3.7v

Figure 4: Key Battery Features

5. MAINTENANCE AND STORAGE

Proper maintenance ensures the longevity and performance of your batteries.

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to charge the batteries to about 50% capacity.
- Avoid completely draining the batteries before recharging to maximize cycle life.
- Clean battery terminals with a dry cloth if necessary to ensure good contact.



Anti-high and Low temperature -40°C—70°C

Figure 5: Wide Operating Temperature Range

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging (Red LED not on)	Loose cable connection, faulty cable, faulty power source, damaged battery port.	Ensure cable is securely connected. Try a different USB cable or power source. Inspect battery port for damage.
Battery not holding charge	Battery nearing end of life, extreme temperature exposure during use/storage.	Ensure proper charging and storage conditions. If battery is old, consider replacement.
Device not powering on with battery	Battery not fully charged, incorrect polarity, device incompatibility (rare for CR123A).	Fully charge the battery. Check battery insertion for correct polarity. Verify device requires 3.7V CR123A.

7. SPECIFICATIONS

- **Battery Type:** CR123A USB Lithium-ion Rechargeable
- **Capacity:** 700mAh
- **Voltage:** 3.7V (Constant Output)
- **Charging Port:** Type-C USB
- **Charging Time:** Approximately 1.5 hours
- **Cycle Life:** Over 1200 cycles
- **Safety Certifications:** UL, CE, FCC, RoHS
- **Operating Temperature:** -40°C to 70°C
- **Compatibility:** Replaces 123, 123A, BR2/3A, CR123, CR123A, CR123R, CR17335, CR17345, DL123A, EL123AP, K123, K123A, K123LA, L123A, RCR123, SF123A, VL123A, VL123A, 5018LC.



Figure 6: Detailed Battery Features

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service directly. Contact details are typically found on the product packaging or the manufacturer's online presence.

Manufacturer: smarttools

Brand: Lankoo