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Lankoo USB 14250 Lithium Ion Rechargeable Battery User Manual

Model: 14250

INTRODUCTION

This manual provides essential information for the safe and effective use of your Lankoo USB 14250 Lithium Ion Rechargeable Batteries. These high-capacity 3.7V 300mAh batteries are designed to replace 3.6 Volt LS14250, ER14250, and CR14250 batteries, offering a convenient and eco-friendly power solution with direct Type-C USB charging.

KEY FEATURES

- **Rechargeable Design:** Offers a sustainable alternative to disposable batteries, allowing for repeated use and reduced waste.
- **Type-C USB Charging:** Features a direct Type-C USB input for convenient and fast charging. Includes a cable to charge two batteries simultaneously from any USB power supply (AC adapter, power bank, computer).
- **LED Indicators:** Equipped with red LED indicators that blink during charging and remain solid when fully charged, providing clear status updates.
- **High Capacity:** Each battery provides 300mAh capacity, suitable for a wide range of devices including dog collars, electric meters, home security systems, baby movement monitors, alarm systems, laser sights, and laser pens.
- **Certified Safety:** Compliant with North American safety standards, including CE, FCC, and RoHS certifications, ensuring user and device safety.
- **Long Lifecycle:** Designed for over 1200 charge cycles.
- **Extended Shelf Life:** Can be stored for up to 10 years with low self-discharge.

SETUP AND INITIAL CHARGING

Before first use, it is recommended to fully charge your Lankoo 14250 batteries.

1. **Connect the Cable:** Use the provided Type-C USB charging cable. Insert the Type-C end(s) into the charging port(s) located on the side of each battery.
2. **Power Source:** Connect the USB-A end of the cable to a compatible USB power source, such as an AC adapter, power bank,

or computer USB port.

3. **Charging Indicator:** The red LED indicator on the battery will blink to show that charging is in progress.
4. **Full Charge:** Once the battery is fully charged, the red LED indicator will stop blinking and remain solid. Charging typically takes approximately 1.5 hours.



Figure 1: Type-C USB charging port on the battery and included charging cable.

1200 Times Advanced Cycles



Figure 3: The batteries are designed for over 1200 recharge cycles.

MAINTENANCE AND STORAGE

- **Regular Recharging:** For optimal performance and longevity, recharge batteries when they are depleted rather than allowing them to remain fully discharged for extended periods.
- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. These batteries have a low self-discharge rate and can be stored for up to 10 years.
- **Temperature Range:** The batteries are designed to operate and be stored within an anti-high and low temperature range of -40°C to 70°C.
- **Cleaning:** Keep battery terminals clean and dry. Use a soft, dry cloth to wipe off any dust or debris.
- **Safety:** Do not use the battery if its wrapper is damaged. Do not use the battery if its current is not matched with your product.

10 Year Shelf Life

Low self discharge, can be stored up to 10 years.

Other



Figure 4: Lankoo 14250 batteries offer an extended shelf life of up to 10 years.



Figure 5: The batteries are designed for performance in a wide temperature range (-40°C to 70°C).

BUILT-IN PROTECTION IC

SAFE AND RELIABLE



Figure 6: Built-in protection mechanisms ensure safe and reliable operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging.	Loose cable connection, faulty USB power source, or damaged battery.	Ensure the Type-C cable is securely plugged into both the battery and the USB power source. Try a different USB port or power adapter. Inspect the battery for visible damage. If the red LED does not blink, the battery may not be receiving power.
Battery not holding charge.	Battery has reached the end of its lifecycle or is being used in a high-drain device.	While designed for over 1200 cycles, all rechargeable batteries have a finite lifespan. Consider replacing the battery if it no longer holds a charge adequately. Ensure the device's current requirements match the battery's specifications.
Device not powering on with charged battery.	Incorrect battery insertion, device malfunction, or incompatibility.	Verify that the batteries are inserted with correct polarity (+/-). Test the batteries in another compatible device to confirm they are functioning. Check the device's manual for specific battery requirements.

PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	Lankoo
Model	14250
Battery Type	Lithium Ion Rechargeable
Voltage	3.7V
Capacity	300mAh
Recharge Cycles	Over 1200 times
Shelf Life	Up to 10 years
Charging Port	Type-C USB
Product Dimensions	0.98 x 0.55 x 0.55 inches
Item Weight	2.39 ounces
Certifications	CE, FCC, RoHS Compliant

WARRANTY AND SUPPORT

Specific warranty details and direct manufacturer support contact information are not provided in this manual. For any product-related inquiries, please refer to the seller's return policy or contact the point of purchase for assistance.