

HW TH-ICR175C

HW Rechargeable D Cell Batteries User Manual

Model: TH-ICR175C

1. INTRODUCTION

Thank you for choosing HW Rechargeable D Cell Batteries. These lithium-ion batteries are designed for high capacity and long-lasting performance, featuring convenient USB-C charging. This manual provides essential information for safe and efficient use of your batteries.



Image 1.1: HW Rechargeable D Cell Batteries with USB-C charging port.

2. SAFETY INFORMATION

Please read all safety instructions carefully before use. Failure to follow these instructions may result in fire, electric shock, injury, or damage to property.

- Do not disassemble, open, or shred battery cells or batteries.
- Do not expose batteries to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery. Do not store batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- Do not remove a battery from its original packaging until required for use.
- Do not subject batteries to mechanical shock.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Do not use any charger other than that specifically provided for use with the equipment.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- Keep batteries out of reach of children.
- Seek medical advice immediately if a battery has been swallowed.
- Do not mix batteries of different manufacture, capacity, size or type within the same device.
- Dispose of batteries properly according to local regulations.

3. PRODUCT FEATURES

- **High Capacity:** 7500mWh for extended device operation.
- **Constant Voltage Output:** Provides a stable 1.5V output until depleted.
- **USB-C Charging:** Conveniently recharge via USB-C cable, eliminating the need for a dedicated charger.
- **Fast Charging:** Fully recharges within approximately 3 hours.
- **Long Cycle Life:** Designed for over 1000 recharge cycles.
- **Safety Protections:** Built-in safeguards against over-charging, over-discharging, over-voltage, over-temperature, over-current, short circuit, and undervoltage.
- **Eco-friendly:** Reusable design reduces waste compared to single-use alkaline batteries.



Image 3.1: Key features of HW Rechargeable D Cell Batteries.

4. PACKAGE CONTENTS

- HW Rechargeable D Cell Batteries (2-pack)
- 2-in-1 USB-C Charging Cable

5. SETUP

Before first use, it is recommended to fully charge the batteries.

1. Locate the USB-C charging port on the side of each battery.
2. Connect the provided 2-in-1 USB-C charging cable to the battery's USB-C port.
3. Connect the other end of the USB-C cable to a compatible USB power source (e.g., computer USB port, wall adapter, power bank, car charger).
4. The LED indicator on the battery will flash green during charging. Once fully charged, the LED indicator will turn solid green.



Image 5.1: Charging the HW D Cell Batteries.

6. OPERATING INSTRUCTIONS

6.1. Charging the Batteries

The HW D Cell Batteries feature an integrated USB-C charging port for direct charging.

- Use the included 2-in-1 USB-C cable or any standard USB-C cable.
- Connect the battery to a USB power source.
- A flashing green LED indicates charging in progress.
- A solid green LED indicates the battery is fully charged.
- Charging typically takes about 3 hours for a full charge.

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Video 6.1: Demonstration of USB-C fast charging for HW Lithium D batteries.

6.2. Using the Batteries in Devices

These batteries are compatible with various devices that require D-size batteries.

1. Ensure the battery is fully charged.
2. Open the battery compartment of your device.
3. Insert the HW D Cell Battery, ensuring correct polarity (+ and - terminals match the device's

markings).

4. Close the battery compartment.
5. The battery will provide a stable 1.5V output to power your device.



Image 6.2: Universal compatibility with various D-size battery devices.

7. MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the battery terminals if necessary. Do not use liquids or abrasive cleaners.
- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is advisable to charge them to about 50% capacity.
- **Regular Use:** For optimal battery life, avoid completely draining the batteries before recharging them.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	USB-C cable not properly connected Faulty USB power source Battery is already fully charged	Ensure cable is securely plugged into both battery and power source. Try a different USB port or power adapter. Check LED indicator; solid green means full charge.
Device not powering on with battery	Incorrect battery polarity Battery is depleted Device malfunction	Verify battery is inserted with correct + and - orientation. Recharge the battery. Test the device with another known-good battery.
Battery life shorter than expected	High power consumption device Battery nearing end of life cycle	Battery life varies with device power requirements. Consider replacing batteries if cycle count is high.

9. SPECIFICATIONS

Feature	Detail
Model Number	TH-ICR175C
Battery Type	Lithium Ion
Battery Size	D Cell
Capacity	7500mWh (5000 mAh)
Nominal Voltage	1.5V
Charging Port	USB-C
Charging Time	Approx. 3 hours
Cycle Life	Over 1000 cycles
Product Dimensions	0.7 x 0.7 x 2.6 inches
Item Weight	1.76 ounces per battery

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact HW customer service through the retailer where the product was purchased. Please have your model number (TH-ICR175C) and purchase date available when contacting support.

