EEMB CR2025

EEMB CR2025 3V Lithium Coin Cell Battery User Manual

1. Introduction

This manual provides essential information for the safe and proper use of EEMB CR2025 3V Lithium Coin Cell Batteries. Please read these instructions carefully before use and retain them for future reference.

Image 1.1: EEMB CR2025 3V Lithium Coin Cell Batteries.

2. Important Safety Information

Lithium coin cell batteries can pose risks if not handled correctly. Adhere to the following safety guidelines to prevent injury or damage.

Image 2.1: Battery Safety Warnings.

- **Do Not Charge:** These are non-rechargeable batteries. Attempting to charge them can lead to leakage, fire, or explosion.
- **Keep Away from Children:** Batteries can be swallowed, posing a serious choking hazard and chemical burn risk. Seek immediate medical attention if swallowed.
- **Avoid Heat and Fire:** Do not expose batteries to high temperatures, direct sunlight, or fire. This can cause leakage, explosion, or fire.
- **Do Not Short-Circuit:** Avoid contact between the positive and negative terminals with metal objects. This can cause heat generation, leakage, or explosion.
- **Do Not Disassemble or Puncture:** Tampering with the battery can release hazardous materials.
- **Proper Storage:** Store batteries in their original packaging, ensuring they do not touch each other, to prevent short circuits. Keep them in a cool, dry place.
- **Do Not Mix:** Avoid mixing old and new batteries, or batteries of different brands or types.
- **Correct Polarity:** Always insert batteries with the correct positive (+) and negative (-) orientation as indicated by the device.

3. Product Features

EEMB CR2025 batteries are designed with several key characteristics for reliable performance:

Image 3.1: Key Features of EEMB CR2025 Batteries.

- **Wide Temperature Range:** Operates effectively across a broad temperature spectrum.
- **Leakproof Design:** Engineered to prevent leakage during normal use.
- **Low Self-Discharge Rate:** Maintains charge over extended periods, contributing to a long shelf life.
- **Stable Performance:** Delivers consistent voltage output throughout its operational life.
- **High Rate Pulse Discharge:** Capable of providing quick bursts of power when required by devices.

EEMB batteries are also mercury-free, lead-free, and cadmium-free, reflecting a commitment to environmental responsibility.

4. Specifications

Detailed technical specifications for the EEMB CR2025 battery:

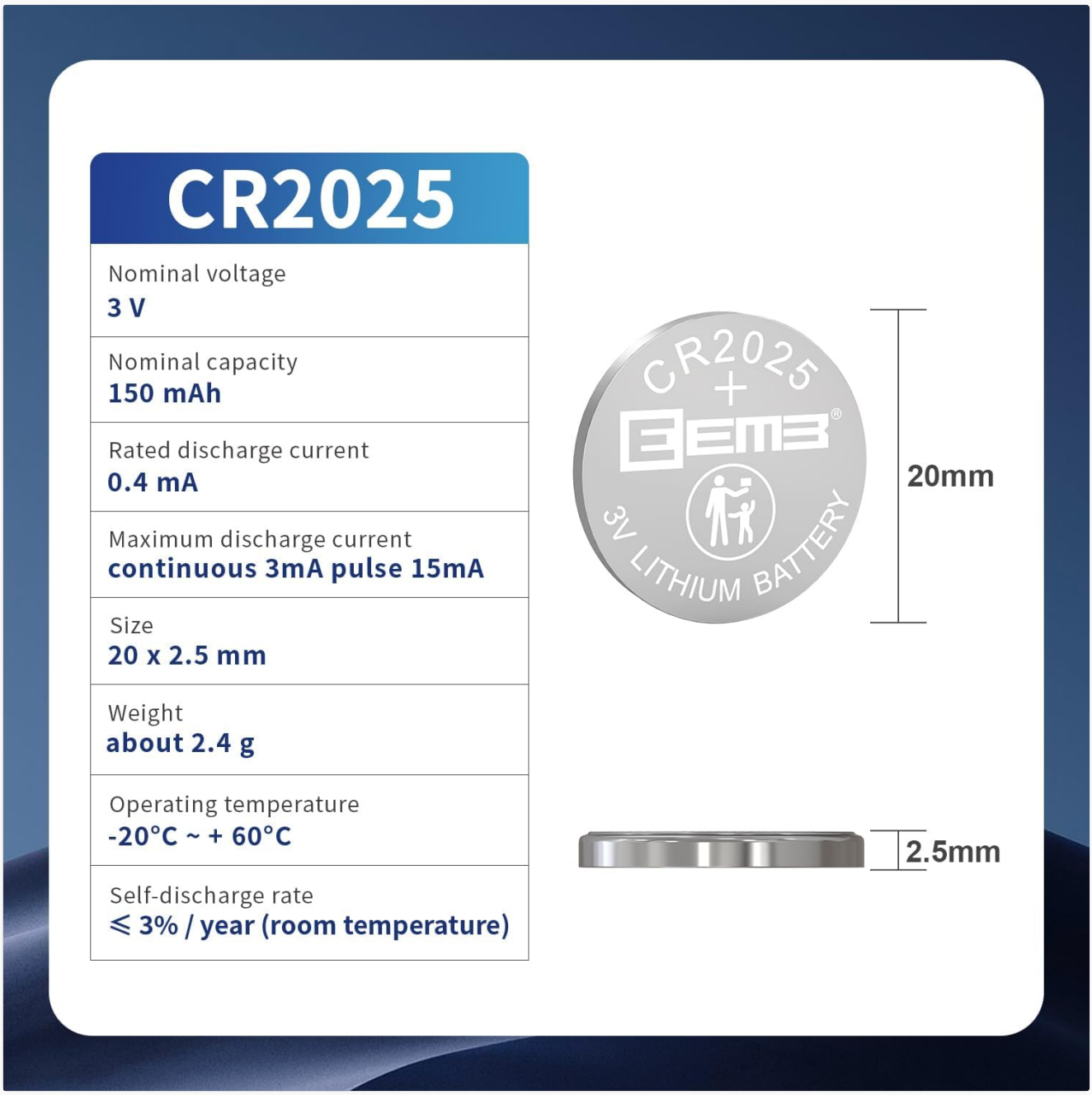

Image 4.1: CR2025 Battery Technical Specifications.

Specification	Value
Product Dimensions	0.79 x 0.79 x 0.1 inches (20 x 2.5 mm)
Item Weight	1.41 ounces (approx. 2.4g per battery)
Item Model Number	CR2025
Battery Cell Composition	Lithium Metal
Nominal Voltage	3V
Battery Capacity	150 Milliamp Hours (mAh)
Operating Temperature Range	-20°C to +60°C
Self-Discharge Rate	Less than 3% per year (at room temperature)

Specification	Value

5. Applications

EEMB CR2025 batteries are suitable for a wide range of electronic devices requiring a compact, long-lasting 3V power source:

Image 5.1: Common Applications for CR2025 Batteries.

- Key FOBs and Remote Controls
- Calculators and Coin Counters
- Watches and Stopwatches
- Heart Rate Monitors and Glucose Monitors
- Electronic Thermometers

- Small Electronic Toys and Games
- Computer Memory Back-up
- Electronic Candles

6. Installation and Usage

Follow these general steps for installing and using CR2025 batteries:

1. **Identify Battery Compartment:** Locate the battery compartment on your device. This often requires a small screwdriver or a coin to open.
2. **Remove Old Battery (if applicable):** Carefully remove any existing battery, noting its orientation.
3. **Insert New Battery:** Place the EEMB CR2025 battery into the compartment, ensuring the positive (+) side aligns with the positive indicator in the device, and the negative (-) side aligns with the negative indicator.
4. **Secure Compartment:** Close the battery compartment securely.
5. **Test Device:** Verify that your device powers on and functions correctly.

Always refer to your device's specific instruction manual for detailed battery replacement procedures.

7. Storage and Maintenance

Proper storage and maintenance extend battery life and ensure safety:

- **Storage:** Store unused batteries in their original, sealed packaging in a cool, dry place away from direct sunlight and extreme temperatures.
- **Disposal:** Dispose of used batteries according to local regulations. Do not throw them into household waste or fire. Many retailers offer battery recycling programs.
- **Cleaning:** If battery terminals appear dirty, gently wipe them with a clean, dry cloth before insertion.

8. Troubleshooting

If your device is not functioning after battery installation, consider the following:

- **Check Polarity:** Ensure the battery is inserted with the correct positive (+) and negative (-) orientation.
- **Secure Connection:** Verify that the battery is seated firmly in its compartment and the compartment cover is closed properly.
- **Battery Condition:** Although new, check for any visible damage or signs of leakage on the battery. Replace if necessary.
- **Device Malfunction:** If the battery is correctly installed and appears functional, the issue may lie with the device itself. Consult the device's manual or manufacturer.

9. Certifications and Quality Assurance

EEMB CR2025 batteries meet stringent quality and safety standards:

Image 9.1: EEMB Battery Certifications.

- **UL Certified:** Many EEMB battery models, including CR2025, are UL certified. For certification details, search "MH20555" on the official UL website.
- **UN 38.3 Compliant:** These batteries comply with UN 38.3 regulations for the safe transport of lithium batteries.

EEMB has over 20 years of experience in lithium battery manufacturing, ensuring product reliability.

10. Customer Support

EEMB is committed to providing high levels of customer satisfaction. If you have any questions or concerns regarding your EEMB CR2025 batteries, please contact our global technical support team. We will respond to your inquiries promptly.

For further assistance, please visit the official EEMB website or refer to your purchase documentation for specific contact details.