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› Energizer CR2016 Lithium Battery 3V User Manual

Energizer ECR2016

Energizer CR2016 Lithium Battery 3V User Manual

Model: ECR2016

1. PRODUCT OVERVIEW

The Energizer CR2016 is a 3-volt lithium coin cell battery designed for reliable power in various small electronic devices. This manual provides essential information for safe and effective use, installation, and maintenance of your Energizer CR2016 batteries.



Image 1.1: Packaging of Energizer CR2016 Lithium 3V Batteries. Shows five individual batteries in blister packs, labeled ECR2016 3V Lithium, with a warning symbol and "0% Hg" indicating no mercury.

2. KEY FEATURES AND SPECIFICATIONS

The Energizer CR2016 battery offers specific characteristics optimized for performance and safety.

- **Chemical System:** Lithium / Manganese Dioxide (Li/MnO₂)
- **Nominal Voltage:** 3.0 Volts
- **Operating Temperature:** -30°C to 60°C (-22°F to 140°F)
- **Maximum Reverse Charge:** 1 microampere
- **Typical Capacity:** 90 mAh (to 2.0 volts)
- **Dimensions:** Approximately 20mm diameter x 1.6mm height (0.08 x 0.08 x 0.08 inches)

- **Weight:** Approximately 0.704 ounces per pack (for 5 batteries)
- **Battery Cell Composition:** Lithium Metal
- **Recommended Uses:** Watches, car key fobs, calculators, small electronic devices.

3. INSTALLATION (SETUP)

Proper installation ensures optimal performance and safety. Always refer to your device's specific instructions for battery replacement.

1. **Identify Battery Compartment:** Locate the battery compartment on your electronic device. This often requires a small screwdriver or a coin to open.
2. **Remove Old Battery:** Carefully remove the old battery, noting its orientation (positive (+) and negative (-) terminals). Dispose of old batteries responsibly according to local regulations.
3. **Insert New Battery:** Insert the new Energizer CR2016 battery, ensuring the positive (+) side aligns with the positive indicator in the compartment and the negative (-) side aligns with the negative indicator. The positive side is typically marked on the battery itself.
4. **Secure Compartment:** Close the battery compartment securely. Test the device to confirm proper function.

Warning: Keep batteries out of reach of children. Swallowing can lead to serious injury or death. Seek immediate medical attention if swallowed.

4. OPERATING GUIDELINES

Energizer CR2016 batteries are designed for single-use applications. Once installed, they provide consistent 3-volt power until depleted. The flat discharge curve ensures a stable voltage output throughout most of the battery's life, which is beneficial for devices requiring precise voltage.

- Do not attempt to recharge these batteries.
- Do not expose batteries to excessive heat or open flame.
- Do not short-circuit the battery terminals.
- Ensure batteries are inserted with correct polarity.

5. MAINTENANCE AND STORAGE

Proper handling and storage extend battery shelf life and ensure safety.

- **Storage:** Store unused batteries in their original packaging in a cool, dry place at room temperature. Avoid extreme temperatures.
- **Handling:** Avoid touching the battery terminals with bare hands, as oils and dirt can affect performance.
- **Disposal:** Dispose of depleted batteries according to local regulations. Many communities have battery recycling programs. Do not dispose of batteries in household trash or by incineration.
- **Shelf Life:** Lithium batteries typically have a long shelf life, often several years, when stored correctly.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device not powering on.	Incorrect battery polarity.	Re-insert battery with correct positive (+) and negative (-) orientation.
Device powers on but functions intermittently or weakly.	Battery is low or depleted.	Replace with a new Energizer CR2016 battery.
Battery compartment not closing properly.	Incorrect battery size or foreign object.	Ensure you are using a CR2016 battery. Check for any obstructions.
Battery appears corroded or leaking.	Damage or improper storage.	Carefully remove and dispose of the battery. Clean the compartment if safe to do so. Do not use damaged batteries.

7. WARRANTY AND SUPPORT

Energizer batteries are manufactured to high-quality standards. For specific warranty information or support inquiries, please refer to the official Energizer website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Official Website: www.energizer.com

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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