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› [Exell Battery](#) /

› OmniCel ER34615 Lithium Battery User Manual

## Exell Battery OmniCel ER34615

# OmniCel ER34615 Lithium Battery User Manual

Model: OmniCel ER34615 | Brand: Exell Battery

## 1. PRODUCT OVERVIEW

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The OmniCel ER34615 is a high-capacity 3.6V 19Ah Size D Lithium Thionyl Chloride (Li-SOCl<sub>2</sub>) battery designed for long-term, reliable power in various applications. This battery features pre-attached wire leads for easy integration into compatible devices. It is commonly used in carbon monoxide detectors, intrusion sensors, invisible fencing systems, emergency backup power units, data collection devices, and AMR (Automatic Meter Reading) add-ons.



Figure 1.1: Four OmniCel ER34615 D-size lithium batteries, showcasing their compact design and integrated wire leads for convenient installation.

## 2. SAFETY INFORMATION

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Please read and understand all safety precautions before handling or installing the battery. Failure to follow these instructions may result in fire, explosion, electric shock, or other hazards.

- **Do Not Recharge:** This is a non-rechargeable battery. Attempting to recharge it may cause leakage, fire, or explosion.
- **Proper Polarity:** Always observe correct polarity (+ and -) when installing the battery. Incorrect installation can damage the device and the battery.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals with metal objects. This can cause excessive heat, fire, or explosion.
- **Temperature Limits:** Do not expose the battery to extreme temperatures (above 85°C or below -60°C) or direct sunlight. Store in a cool, dry place.
- **Disposal:** Dispose of used batteries according to local regulations. Do not incinerate or mutilate batteries.
- **Keep Away from Children:** Store batteries out of reach of children and pets. If swallowed, seek immediate medical attention.
- **Handle with Care:** Do not drop, puncture, or disassemble the battery. If the battery casing is damaged, avoid contact with the internal contents.

## 3. SETUP AND INSTALLATION

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The OmniCel ER34615 battery comes with pre-attached wire leads for simplified connection. Ensure your device is powered off before installation.

1. **Identify Terminals:** Locate the positive (+) and negative (-) connection points on your device. The battery's wire leads are typically color-coded (e.g., red for positive, black for negative).
2. **Connect Leads:** Carefully connect the positive wire lead from the battery to the positive terminal of your device. Similarly, connect the negative wire lead to the negative terminal. Ensure connections are secure and free from loose strands.
3. **Secure Battery:** Place the battery securely within the device's battery compartment, ensuring it does not move freely or come into contact with other components that could cause a short circuit.
4. **Verify Installation:** Once connected, double-check all connections for correct polarity and secure fit.



**Figure 3.1:** Side view of the OmniCel ER34615 battery, showing the integrated wire leads ready for connection.



**Figure 3.2:** Detailed view of the battery's label, indicating "3.6 Volts" and model "ER34615 D", along with the twisted wire leads.

## 4. OPERATING INSTRUCTIONS

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Once properly installed, the OmniCel ER34615 battery will provide continuous power to your compatible device. As a primary (non-rechargeable) battery, its operation is passive, supplying consistent voltage until its capacity is depleted.

- Ensure the device requiring power is designed for a 3.6V D-size lithium battery.
- The battery will begin supplying power immediately upon correct installation and device activation.
- Monitor your device's low battery indicator, if available, to determine when replacement is necessary.

## 5. MAINTENANCE

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These batteries require minimal maintenance, but proper handling and storage are crucial for maximizing their lifespan and ensuring safety.

- **Storage:** Store unused batteries in their original packaging in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid storing with metal objects that could cause a short circuit.
- **Inspection:** Periodically inspect installed batteries for any signs of damage, leakage, or corrosion. If any issues are observed, replace the battery immediately.
- **Cleaning:** If necessary, gently wipe the battery's exterior with a dry, clean cloth. Do not use liquids or abrasive cleaners.
- **Replacement:** Replace batteries when your device indicates low power or ceases to function correctly. Do not mix old and new batteries, or different types of batteries.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Incorrect battery polarity.	Verify that the positive (+) and negative (-) leads are connected correctly.
Device does not power on.	Battery is depleted or faulty.	Replace the battery with a new one. Ensure it is an OmniCel ER34615 or equivalent.
Device powers on but functions intermittently.	Loose wire connections.	Check that the wire leads are securely connected to the device's terminals.
Battery appears damaged or leaking.	Physical damage or internal fault.	Immediately remove the battery (wearing protective gloves if necessary) and dispose of it safely according to local regulations. Do not attempt to use a damaged battery.

## 7. SPECIFICATIONS

Detailed technical specifications for the OmniCel ER34615 battery:

**Model:** OmniCel ER34615

**Battery Type:** Lithium Thionyl Chloride (Li-SOCl<sub>2</sub>)

**Voltage:** 3.6 Volts

**Nominal Capacity:** 19 Ampere-hours (19Ah)

**Size:** D

**Diameter:** Approximately 32.9 mm (1.29 inches)

**Length:** Approximately 61.5 mm (2.42 inches)

**Weight:** Approximately 3.2 ounces (90.7 grams) per battery

**Operating Temperature Range:** Typically -60°C to +85°C (Consult manufacturer for exact range)

**Compatible Devices:** Carbon Monoxide Detectors, Intrusion Sensors, Invisible Fencing, Emergency Backup, Data Collection, AMR Add-ons, Alarm Systems, Smoke Alarms, Torches.



**Figure 7.1:** End view of the OmniCel ER34615 battery, showing the positive terminal and wire lead attachment point.



**Figure 7.2:** OmniCel ER34615 battery shown upright, highlighting its D-size form factor and the integrated wire leads.

## 8. WARRANTY AND SUPPORT

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For specific warranty information regarding your OmniCel ER34615 batteries, please refer to the documentation provided at the time of purchase or contact the seller directly. Exell Battery, as the brand, typically provides support for their products.

For further assistance or technical inquiries, please visit the official Exell Battery website or contact their customer support.

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