

EEMB LIR2032

EEMB LIR2032 Rechargeable Battery Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective use of EEMB LIR2032 3.7V Lithium-ion Coin Button Cell Rechargeable Batteries. These batteries have a nominal voltage of 3.7V and a capacity of 45mAh, with a diameter of 20mm and a height of 3.2mm. Please read all instructions and safety warnings carefully before use.

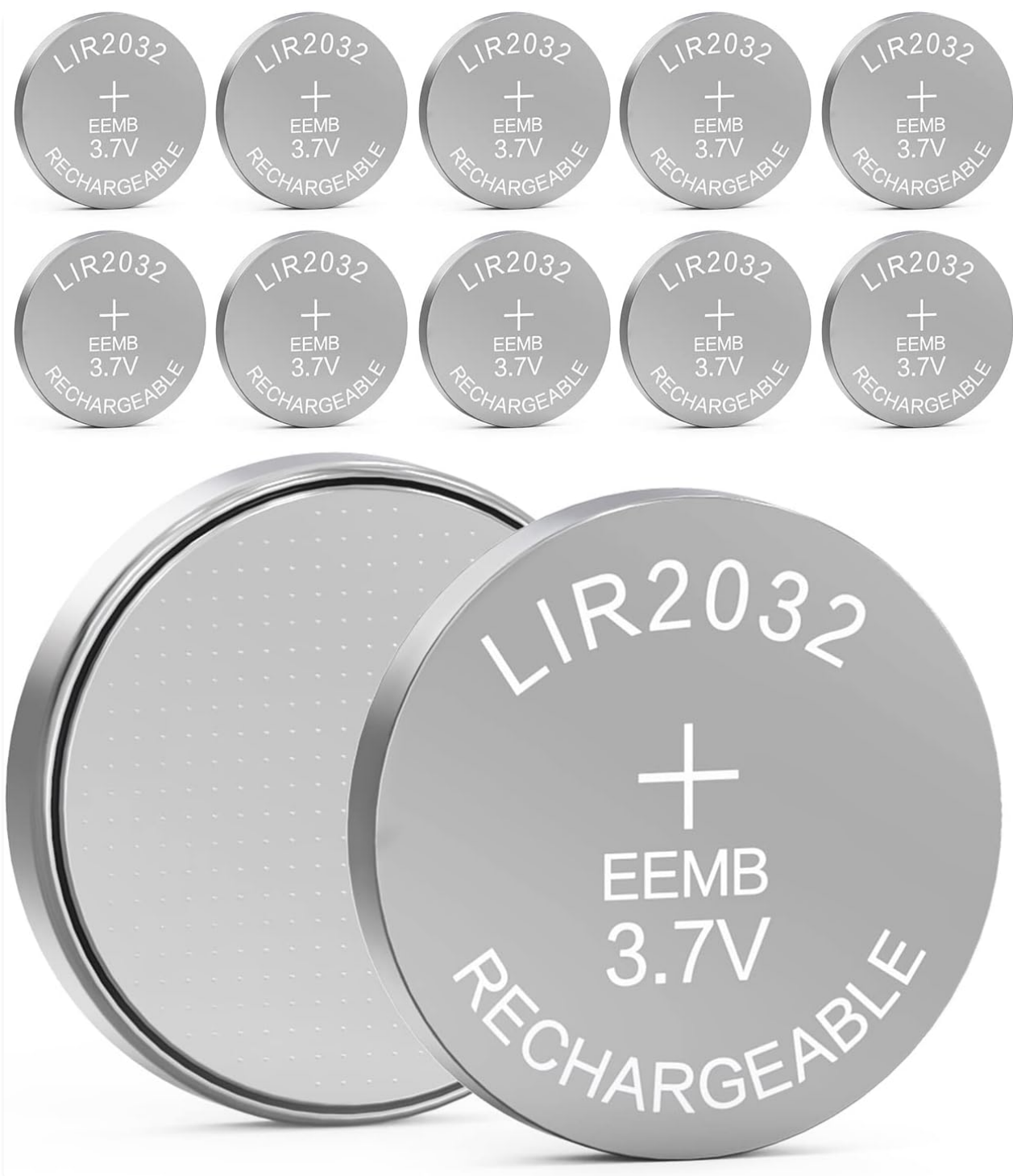


Image: EEMB LIR2032 Rechargeable Battery, front view.

SETUP AND CHARGING

The EEMB LIR2032 battery is rechargeable. For optimal performance and safety, charge the battery **ONLY** with an EEMB dedicated charger. Using an incompatible charger may damage the battery or pose a safety risk.

To charge the batteries:

1. Insert the LIR2032 batteries into the designated slots of the EEMB dedicated charger, ensuring correct polarity (+ and -).
2. Connect the charger to a suitable power source.
3. Allow the batteries to charge fully. Refer to your charger's indicator lights for charging status.

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Video: Demonstration of charging EEMB LIR2032 batteries with a dedicated charger.



Image: EEMB dedicated charger for LIR2032 batteries.

OPERATING INSTRUCTIONS

EEMB LIR2032 batteries are designed for various electronic products requiring a 3.7V coin cell battery. Common applications include:

- Solar flashlights
- Sensors
- Solar welding helmets
- Bluetooth earphones
- Light game controllers
- Smart watches
- Car keys
- Weather stations
- Pet trackers

Important Note: These batteries may **not** be suitable for some LED candles, LED lights, and other LED devices due to specific voltage or current requirements. Always verify compatibility with your device's specifications before use.

400⁺

UL Certified Battery Models

Manufacturer Direct • US Local Service in California
Models with UN38.3 certified are available



Search "MH20555"
at UL website www.UL.com



UL1642 for cell

CR123A	-	10	-	Technician
CR14250BL	-	10	-	Technician
CR14250SL	-	17	10	Technician
CR14300SL, CR14300BL	Lithium/manganese dioxide	10	-	Technician
CR14505BL	-	10	-	Technician
CR14505SL	-	17	10	Technician
CR15270SL, CR15270BL, CR2SL, CR2BL	Lithium/manganese dioxide	2.5	5.0	User
	Lithium/manganese			

Image: Examples of devices compatible with EEMB LIR2032 batteries, including smartwatches, car keys, and sensors.

MAINTENANCE AND STORAGE

Proper maintenance and storage extend battery life and ensure safety:

- **Storage Condition:** For long periods of disuse, store the cells in a 40%-60% charged state.
- **Recharge Frequency:** We recommend charging the battery every three months upon receipt and during long-term storage to maintain voltage and prevent deep discharge.
- **Storage Environment:** Store batteries in a cool, dry place, away from direct sunlight, high temperatures, and high humidity.
- **Packaging:** Keep batteries in their original packaging or a suitable battery case to prevent contact with other metal objects, which can cause short circuits. Ensure batteries are not touching each other.



Battery can be used for:

- ✓ Bluetooth Earphone
- ✓ Light Game Controllers
- ✓ Solar Keyboard
- ✓ For Garmin Forerunner 10
- ✓ Smart Watch
- ✓ Car Keys
- ✓ Weather Station
- ✓ Pet Tracker

May not be suitable for some LED candles

Image: EEMB LIR2032 battery highlighting its lead-free, mercury-free, and cadmium-free composition, emphasizing environmental friendliness.

SAFETY WARNINGS

Failure to follow these safety instructions can result in fire, explosion, or serious injury.

- **Children:** Keep out of reach of children. If swallowed, seek immediate medical attention.
- **Handling:** Do not overlap or mix batteries in a disorderly way. Do not mix batteries with metal objects. If positive and negative terminals touch, it will cause short circuits or explosions.
- **Prohibited Actions:** Do not recharge (except with dedicated charger), short-circuit, disassemble, deform, heat, or place the battery near a direct flame. Do not puncture or throw the battery into fire.
- **Polarity:** Do not use the positive and negative poles of the battery in reverse.
- **Disposal:** When storing or disposing of the battery, cover it with tape to prevent short circuits if it comes into contact with other metal objects.

Image: Visual representation of critical battery safety warnings, including keeping away from children, fire, not soldering, mixing, stacking, disassembling, or puncturing.

TROUBLESHOOTING

If you encounter issues with your EEMB LIR2032 batteries, consider the following:

- **Battery Not Charging:** Ensure you are using the EEMB dedicated charger. Check that the batteries are inserted with correct polarity and the charger is properly connected to a power source.
- **Short Discharge Time:** If batteries discharge quickly, ensure they are fully charged before use. Verify that the device they are powering is compatible and not drawing excessive current. Review storage conditions to ensure batteries are not being stored in extreme temperatures or humidity.
- **Overheating:** If a battery overheats during charging or use, immediately discontinue use and charging. This could indicate a damaged battery or an incompatible charger/device. Refer to the safety warnings and contact customer support if the issue persists.
- **Device Incompatibility:** If your device does not function correctly with the LIR2032, confirm that the device is designed for 3.7V Lithium-ion batteries and not standard 3V CR2032 cells.

For persistent issues, please refer to the support section below.

SPECIFICATIONS

Detailed specifications for the EEMB LIR2032 Rechargeable Battery:

Characteristic	Value
Model Number	LIR2032
Battery Cell Composition	Lithium Ion
Nominal Voltage	3.7V
Nominal Capacity	45mAh
Max. Charge Current	45mA
Standard Charge Current	9mA
Standard Discharge Current	9mA
Max. Charge Voltage	4.2V
Discharge Cut-off Voltage	>2.75V
Diameter	20mm
Height	3.2mm
Weight	Approx. 2.6g
Charge Temperature Range	0°C ~ +45°C (32°F ~ +113°F)
Discharge Temperature Range	-20°C ~ +60°C (-4°F ~ +140°F)



Image: Detailed technical specifications for the LIR2032 Lithium-ion battery.

WARRANTY AND SUPPORT

EEMB is committed to providing high levels of customer satisfaction with over 20 years of experience in the lithium battery industry.

Certifications: EEMB batteries undergo rigorous safety testing. Over 400 EEMB battery models are UL certified (IEC 62133). You can search for "MH20555" on the UL website (www.UL.com) for detailed certification information.

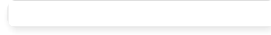


Image: Display of various UL certifications for EEMB battery models.

Customer Support: If you have any questions or require assistance with your EEMB LIR2032 batteries, please contact us via Amazon message. We aim to respond as soon as possible to address your concerns. For more EEMB products and information, visit the [EEMB Store on Amazon](#).