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elxjar 4.8V 800mAh Ni-Cd Battery

elxjar 4.8V 800mAh Ni-Cd Rechargeable Battery User Manual

For Emergency & Exit Lighting Systems

1. Introduction

This manual provides essential instructions for the safe and effective use of your elxjar 4.8V 800mAh Ni-Cd rechargeable battery pack. This battery is designed to provide reliable backup power for compatible emergency and exit lighting systems. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. Safety Information

WARNING: Improper use of batteries can result in fire, explosion, or other hazards. Always follow these safety guidelines:

- Do not disassemble, crush, puncture, or short-circuit the battery.
- Do not expose the battery to high temperatures (above 60°C / 140°F) or direct sunlight.
- Do not incinerate or dispose of the battery in fire.
- Do not immerse the battery in water or other liquids.
- Use only with a compatible 4.8V Ni-Cd or Ni-MH charging system. Using an incompatible charger may damage the battery or cause hazards.
- Keep batteries out of reach of children.
- If the battery leaks, avoid contact with skin and eyes. In case of contact, wash immediately with plenty of water and seek medical advice.
- Recycle or dispose of batteries properly according to local regulations.

Important: Upon delivery, the battery is not fully charged. Charge overnight before initial use to prevent injury or burns. Do not allow metal objects to contact or short circuit the battery terminals.

3. Product Overview

The elxjar 4.8V 800mAh Ni-Cd rechargeable battery pack is engineered for reliable performance in critical safety applications. It provides stable power for emergency and exit lighting systems.

- **High-Quality Power Source:** 4.8V 800mAh Ni-Cd rechargeable battery pack.
- **Reliable Performance:** Provides stable and consistent power output.
- **Durable Construction:** Built with high-quality Ni-Cd cells for extended service life.
- **Energy:** 3.84Wh.
- **Cell Configuration:** AAA cells.



Image: elxjar 4.8V rechargeable battery designed for compatible emergency and exit lighting systems. Shows the battery with '4.8V' and '800mAh' labels, and a list of compatible models.



Image: Key features of the elxjar 4.8V rechargeable battery pack, including nominal voltage, rated capacity, energy, cell configuration, and rechargeable type.

4. Setup and Installation

Before installing the new battery, ensure the power to the emergency or exit lighting system is turned off and disconnected from the main power supply. Always refer to the specific instructions for your lighting fixture for proper battery replacement procedures.

1. **Verify Compatibility:** Ensure this elxjar battery is compatible with your specific emergency or exit lighting system. Check your original battery's model, voltage, dimensions, connector type, and polarity.
2. **Disconnect Old Battery:** Carefully disconnect the old battery from the lighting unit. Note the orientation of the connector.

3. **Insert New Battery:** Connect the new elxjar battery to the lighting unit, ensuring the connector is properly seated and the polarity (red wire to positive, black wire to negative) matches.
4. **Secure Battery:** Place the battery securely within the designated compartment of the lighting fixture.
5. **Initial Charge:** After installation, connect the lighting system to its power source and allow the battery to charge overnight (typically 24 hours) before its first use. This ensures the battery reaches its full capacity.



Image: Illustration emphasizing the importance of checking the original battery's model, pack dimensions, connector, and polarity before ordering. Shows two elxjar batteries with specifications like 3.84Wh, 800mAh, and 4.8V output.



Image: Detailed product dimensions of the elxjar 4.8V battery, showing length (44.8mm/1.76in) and width/height (21.9mm/0.86in), along with its weight (1.83 oz/52g).

Compatible Models: 48H465, 6CGL4, 6CGL3, Lumapro exit signs, UNITECH C14, ELSC-17923, 2472948.

5. Operating Instructions

This battery functions as a backup power source for emergency and exit lighting. Once installed and fully charged, it will automatically provide power to the lighting system during a power outage or when the main power supply is interrupted.

- The battery is designed for repeated charging and discharging cycles within a compatible charging system.
- Ensure the lighting fixture's charging circuit is operational to maintain the battery's charge.
- Regularly test your emergency lighting system as per local safety regulations to ensure the battery backup is

functioning correctly.

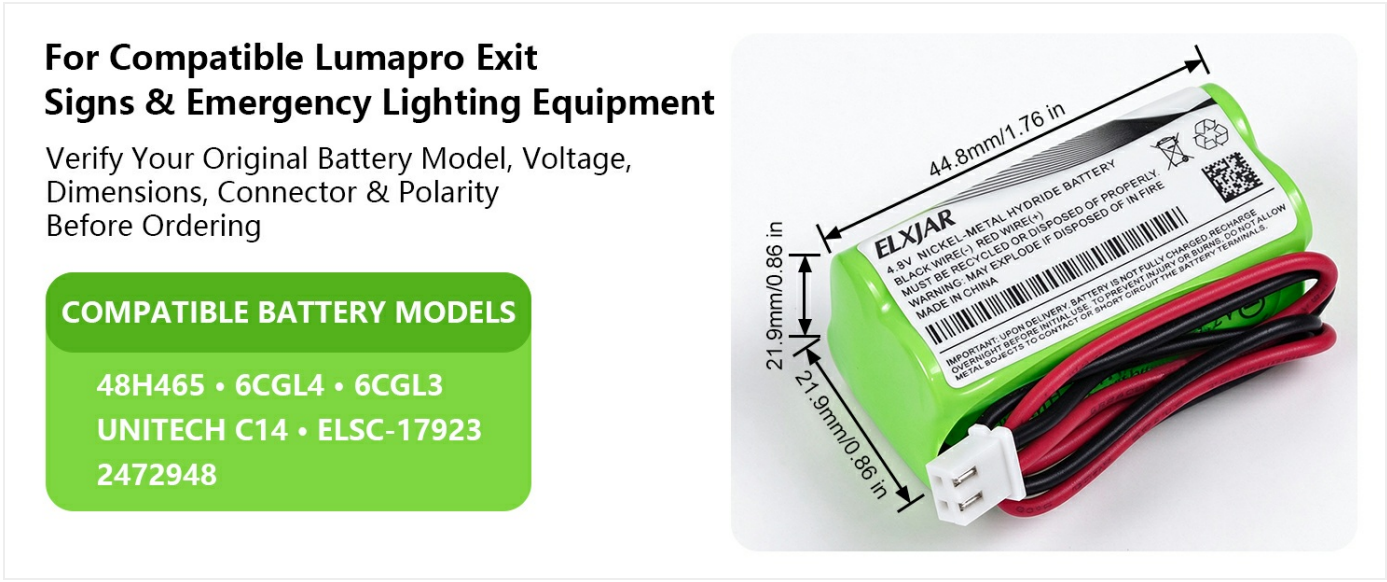


Image: The elxjar battery providing backup power for various exit lighting scenarios, including Lumapro exit signs, building exit lighting, emergency egress signs, and commercial facilities.

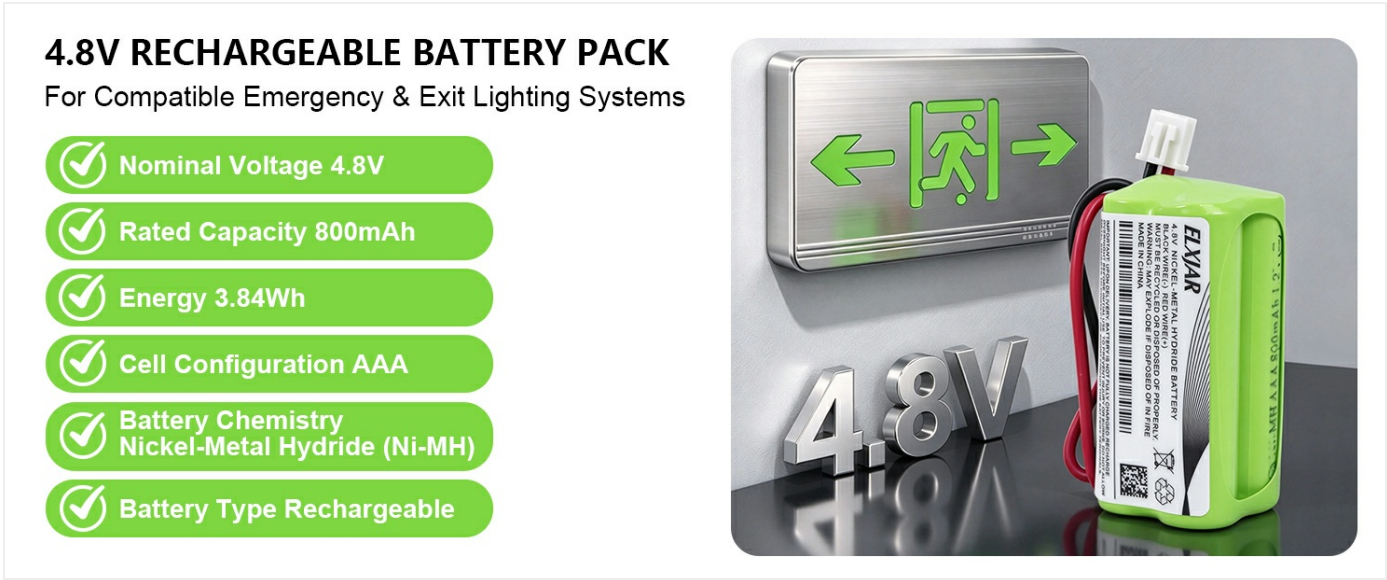


Image: The elxjar battery ready for emergency lighting, showing its use in compatible emergency light fixtures, stairwell lighting, building corridors, commercial properties, and during maintenance.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your battery.

- **Regular Testing:** Perform routine tests of your emergency lighting system as recommended by the fixture manufacturer and local safety codes. This typically involves simulating a power outage to ensure the battery provides power for the required duration.
- **Cleaning:** Keep the battery and its terminals clean and free from dust or corrosion. Use a dry cloth for cleaning.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and store it in a cool, dry place away from direct sunlight and extreme temperatures. Recharge every 3-6 months to prevent deep discharge.
- **Replacement:** Batteries have a finite lifespan. Replace the battery when it no longer holds a charge effectively or fails to meet the required backup duration during testing.

7. Troubleshooting

If you encounter issues with your elxjar battery, consider the following:

- **Battery Not Charging:**
  - Ensure the battery is correctly connected to the lighting fixture.
  - Verify the lighting fixture's charging circuit is operational.
  - Confirm the battery is compatible with the fixture's charging system (4.8V Ni-Cd/Ni-MH).
  - Allow sufficient time for initial charging (overnight).
- **Short Backup Duration:**
  - The battery may not be fully charged. Ensure it has been charged for the recommended duration.
  - The battery may be nearing the end of its lifespan and require replacement.
  - Verify the battery capacity (800mAh) meets the requirements of your lighting system.
- **Battery Does Not Fit:**
  - Double-check the dimensions of the elxjar battery against your original battery and the fixture's compartment.
  - Ensure the connector type and polarity match your fixture.
- **No Power Output:**
  - Check for loose connections or damaged wires.
  - Ensure the battery is fully charged.
  - The battery may be faulty or completely discharged beyond recovery.

If troubleshooting steps do not resolve the issue, please contact customer support.

8. Specifications

Feature	Detail
Brand	elxjar
Model	4.8V 800mAh Ni-Cd Battery
Battery Cell Composition	Ni-Cd (Nickel Cadmium)
Voltage	4.8 Volts
Battery Capacity	800 mAh
Energy	3.84 Wh
Reusability	Rechargeable
Number of Batteries	2 AAA batteries required (included in 2-pack)
Recommended Uses	Emergency & Exit Lighting Systems
Compatible Models	48H465, 6CGL4, 6CGL3, Lumapro, UNITECH C14, ELSC-17923, 2472948
Dimensions (approx.)	44.8mm (1.76 in) Length, 21.9mm (0.86 in) Width/Height
Weight (approx.)	52g (1.83 oz) per battery

Feature	Detail
UPC	723509655273

9. Warranty and Support

Warranty: This product comes with a 30-day money-back guarantee and a 24-month warranty from the date of purchase. This warranty covers manufacturing defects under normal use.
Customer Support: For any questions, concerns, or warranty claims, please contact elxjar customer support through the retailer where the product was purchased. Please have your purchase details and product model information ready.

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