

elxjar BR-AGCF2W

elxjar BR-AGCF2W Li-MnO2 Battery User Manual

Model: BR-AGCF2W

1. PRODUCT OVERVIEW

The elxjar BR-AGCF2W is a high-performance 6V 2200mAh Lithium Manganese Dioxide (Li-MnO₂) battery designed for critical industrial automation and control applications. This battery provides stable power and a long shelf life, making it an ideal replacement for various industrial controllers and programmable logic systems.



Image 1.1: Two elxjar BR-AGCF2W batteries, showcasing their compact design and black connector.

2. SAFETY INFORMATION

WARNING: Improper handling of lithium batteries can lead to fire, explosion, or severe injury. Always follow these safety guidelines:

- **DO NOT RECHARGE:** This is a primary (non-rechargeable) lithium battery. Attempting to recharge it may cause fire or explosion.
- **DO NOT DISASSEMBLE:** Do not open, modify, or disassemble the battery. Internal components can be hazardous.
- **AVOID SHORT CIRCUITS:** Do not short-circuit the battery terminals. This can cause excessive heat and fire.
- **TEMPERATURE:** Do not expose the battery to extreme temperatures (above 85°C or below -40°C) or direct sunlight.
- **IMPACT:** Do not drop, puncture, or subject the battery to strong impacts.
- **WATER:** Keep the battery dry and away from water or other liquids.
- **DISPOSAL:** Dispose of used batteries according to local regulations. Do not incinerate.
- **HANDLING:** When replacing, ensure the amplifier power is off and the emergency stop is engaged. Do not

touch exposed battery connectors or terminals to avoid electric shock.



Image 2.1: Rear view of the battery highlighting safety warnings and the 'DO NOT RECHARGE' instruction.

3. PRODUCT FEATURES

- **High Performance:** Built with 2200mAh capacity and 6V output using Li-MnO₂ chemistry, delivering steady performance and long shelf life for industrial controllers.
- **Compact & Easy Install:** Measures 45 x 34 x 17 mm and includes a black plug for fast plug-and-play installation into OEM slots.
- **Industrial Application:** Ideal for Fanuc Beta iSV and SVU amplifiers, A06 CNC controllers, and programmable logic systems used in factory automation.
- **Reliable Backup Power:** Designed to support critical control systems with reliable, long-term lithium-manganese backup power, helping prevent unexpected shutdowns and data loss.

6
V



Voltage

2200
mAh



Capacity

Li-MnO₂



Chemistry



Image 3.1: Key electrical specifications: 6V Voltage, 2200mAh Capacity, and Lithium Manganese Dioxide (Li-MnO₂) Chemistry.

Dimension

L : 1.76 " (44.70mm)
W : 1.27 " (32.30mm)
H : 0.68 " (17.30mm)

Weight

1.83 oz(52g)



Image 3.2: Physical dimensions and weight of the BR-AGCF2W battery for precise fitment.

4. SPECIFICATIONS

Specification	Detail
Brand	elxjar
Model Number	BR-AGCF2W
Voltage	6 Volts
Battery Cell Composition	Lithium Manganese Dioxide (Li-MnO ₂)
Battery Capacity	2200 mAh
Item Weight	3.52 ounces (approx. 1.83 oz per battery)

Specification	Detail
Package Dimensions	6.81 x 4.41 x 1.26 inches
Individual Battery Dimensions (L x W x H)	1.76 x 1.27 x 0.68 inches (44.70 x 32.30 x 17.30 mm)
Connector Type	Black Plug
Recommended Use	Industrial automation power backup

5. COMPATIBILITY

The elxjar BR-AGCF2W battery is designed as a direct replacement for various industrial control systems. It is compatible with, but not limited to, the following models:

- Fanuc A98L-0031-0011#L
- GE A06B0177D106
- GE A06B-0177-D106
- Panasonic BR-ACF2P
- Panasonic BR-AGCF2P
- Panasonic BR-AGCF2G

Important: Please ensure both the model and battery compatible part numbers are matched with your device before purchasing and installation.

*Please ensure both model and battery
Compatible Part Numbers:
are matched with your device before purchasing.



Image 5.1: Visual reminder to verify compatibility and a close-up of the battery's black connector.

6. SETUP AND INSTALLATION

The BR-AGCF2W battery features a plug-and-play design for straightforward installation. Always prioritize safety during the installation process.

1. **Identify Battery Location:** Locate the battery compartment or connection point within your industrial controller or system. Refer to your device's specific manual for exact instructions.
2. **Power Down System:** Crucially, ensure the industrial controller or system is completely powered off and disconnected from its power source. Engage any emergency stop mechanisms.
3. **Remove Old Battery:** Carefully disconnect and remove the old battery. Note its orientation and connection method.
4. **Install New Battery:** Align the black connector of the new elxjar BR-AGCF2W battery with the corresponding port in your device. Gently push until it clicks securely into place. Ensure the battery is seated correctly within its compartment.
5. **Secure Compartment:** Close and secure the battery compartment cover, if applicable.

6. **Power On System:** Reconnect power to your system and power it on. Verify that the system recognizes the new battery and operates as expected.

Caution: Do not force the connector. Ensure correct alignment to prevent damage to the battery or device.

7. OPERATING INSTRUCTIONS

As a primary (non-rechargeable) battery, the BR-AGCF2W operates continuously to provide backup power to your industrial system. No specific user operation is required beyond proper installation.

- The battery will automatically provide power to maintain system memory and settings during power outages or when the main power is off.
- Monitor your industrial equipment's indicators for low battery warnings, which signal the need for replacement.

8. MAINTENANCE

The elxjar BR-AGCF2W battery requires minimal maintenance. Adhering to the following guidelines will ensure optimal performance and safety:

- **Storage:** Store unused batteries in a cool, dry place, away from direct sunlight and extreme temperatures. Keep them in their original packaging until ready for use.
- **Inspection:** Periodically inspect the battery and its connections for any signs of damage, corrosion, or leakage. If any issues are observed, replace the battery immediately.
- **Cleaning:** If necessary, gently clean the battery's exterior with a dry, soft cloth. Do not use liquids or abrasive cleaners.
- **Replacement:** Replace the battery when your system indicates a low battery condition or according to the recommended replacement schedule for your industrial equipment.

9. TROUBLESHOOTING

If you encounter issues after installing your elxjar BR-AGCF2W battery, consider the following:

- **System Not Powering On/Retaining Settings:**
 - Ensure the battery connector is fully and correctly seated.
 - Verify that the battery is the correct model for your device (refer to Section 5: Compatibility).
 - Check for any visible damage to the battery or its connector.
 - Confirm that the main power supply to your industrial system is functioning correctly.
- **Battery Life Shorter Than Expected:**
 - Ensure the battery was stored correctly before use.
 - Verify that the operating environment temperature is within the specified range for the battery.
 - Confirm that the system's power consumption is within normal parameters.

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

10. WARRANTY AND SUPPORT

Your elxjar BR-AGCF2W battery is backed by a **24-month support policy** from the date of purchase. This policy

covers manufacturing defects and ensures reliable performance under normal operating conditions.

For warranty claims, technical assistance, or any product-related inquiries, please contact elxjar customer support through the retailer's platform or the official elxjar website.

Please have your purchase details and the product model number (BR-AGCF2W) ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

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

Submit question