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› [Interstate Batteries Marine/RV Battery 12V 100Ah 825CCA \(Group Size 31M\) Instruction Manual](#)

## Interstate Batteries 8-31MAGMDC

# Interstate Batteries Marine/RV Battery Instruction Manual

Model: 8-31MAGMDC / 31M-AGM-A (Group Size 31M)

## 1. PRODUCT OVERVIEW

The Interstate Batteries Marine/RV Battery (Model 8-31MAGMDC / 31M-AGM-A) is a 12V 100Ah 825CCA dual-purpose pure lead AGM battery designed for both starting and deep cycle applications in marine vessels and recreational vehicles. This battery is engineered for durability and extended life, providing reliable power in demanding conditions.



Image 1: Interstate Batteries Marine/RV Battery (Group Size 31M)

This image displays the Interstate Batteries Marine/RV Battery, highlighting its robust design and terminal configuration. It is a 12V 100Ah 825CCA dual-purpose pure lead AGM battery, suitable for both starting engines and powering accessories in marine and RV applications.

## 2. SAFETY INFORMATION

Always prioritize safety when handling batteries. Batteries contain sulfuric acid, which is corrosive, and can produce explosive gases. Follow these guidelines:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Do not short-circuit the battery terminals.
- Keep sparks, flames, and smoking materials away from the battery.
- Ensure adequate ventilation when charging or operating.
- If battery acid contacts skin or eyes, flush immediately with water and seek medical attention.
- Keep out of reach of children.
- Battery must be recycled. Return to an Interstate All Battery Center for proper recycling.

### 3. COMPATIBILITY CHECK

Before installation, it is crucial to verify that this battery (Group Size 31M) is compatible with your vehicle or application. Refer to your vehicle's owner's manual or consult a professional to ensure proper fit and electrical specifications.



Image 2: Interstate Batteries Compatibility Guide

This image emphasizes the importance of checking battery compatibility before purchase. It advises users to verify the battery will fit by consulting product guides and documents.

### 4. SETUP AND INSTALLATION

Proper installation is essential for optimal performance and safety. If you are unsure about any steps, consult a qualified technician.

1. **Preparation:** Ensure the engine is off and all accessories are disconnected. Wear safety glasses and gloves.
2. **Remove Old Battery:** Disconnect the negative (-) terminal first, then the positive (+) terminal. Carefully remove the old battery from its tray.
3. **Inspect Battery Tray and Cables:** Clean the battery tray and inspect battery cables for corrosion or damage. Replace any damaged components.
4. **Install New Battery:** Place the Interstate Batteries Marine/RV Battery securely in the battery tray.
5. **Connect New Battery:** Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are tight and secure.
6. **Secure Battery:** Use a battery hold-down to prevent movement during operation.

# 31M-AGM-A

13"

6.81"

9.44"



Image 3: Battery Terminal Connections

This image shows the top view of the battery with its positive (red) and negative (black) terminals, illustrating the connection points for installation.

## 5. OPERATING INSTRUCTIONS

This dual-purpose AGM battery is designed to provide both high cranking power for starting engines and sustained power for deep cycle applications, such as powering accessories.

- Engine Starting:** The battery delivers 825 Cold Cranking Amps (CCA) for reliable engine starts, even in cold weather.
- Deep Cycle Use:** With a 100Ah capacity, it can power your boat's or RV's accessories (lights, electronics, water pumps, trolling motors) for extended periods.
- Faster Recharging:** The pure lead AGM technology allows for faster recharging compared to conventional flooded batteries.
- Sustained Power:** Designed to maintain full power longer during discharge, ensuring consistent performance for your devices.

## 6. MAINTENANCE

The Interstate Batteries Marine/RV AGM battery is a maintenance-free design, meaning you do not need to add water. However, proper care will extend its lifespan:

- **Regular Cleaning:** Keep the battery terminals and top clean and free of corrosion. Use a wire brush and a mixture of baking soda and water if necessary.
- **Check Connections:** Periodically ensure that all cable connections are tight and secure.
- **Proper Charging:** Use a charger specifically designed for AGM batteries. Avoid overcharging or deep discharging the battery excessively, as this can reduce its lifespan.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Periodically check the voltage and recharge if it drops below 12.5V.

Your browser does not support the video tag.

Video 1: UPLUS BCI Group 31M Dual Purpose Marine Battery Overview

This video provides a detailed explanation of the AGM battery technology, including its construction and benefits for marine and RV applications. It highlights the differences between AGM, flooded, and gel batteries, emphasizing the advantages of AGM for durability and performance.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine won't start / Low cranking power	Discharged battery, loose/corroded terminals, faulty starter.	Recharge battery, clean and tighten terminals, test starter.
Accessories not working / Low voltage	Discharged battery, excessive load, faulty wiring.	Recharge battery, reduce load, inspect wiring.
Battery not holding charge	Faulty charging system, internal battery damage, parasitic drain.	Test charging system, have battery tested by professional, check for parasitic drains.

## 8. SPECIFICATIONS

- **Brand:** Interstate Batteries
- **Model Number:** 8-31MAGMDC
- **Group Size:** 31M
- **Voltage:** 12 Volts
- **Capacity:** 100Ah
- **Cold Cranking Amps (CCA):** 825 CCA
- **Battery Cell Composition:** Sealed Lead Acid (AGM)
- **Item Weight:** 64.5 Pounds
- **Package Dimensions:** 20 x 12.75 x 12.5 inches
- **Terminal Type:** Marine Terminal



**AGM**  
ABSORBED  
GLASS-MAT



**12 VOLTS**



**100 AH**

**1030**  
MCA



**64.2 LBS**

**31M-AGM-A**

Image 4: Battery Dimensions

This image provides a visual representation of the battery's dimensions, including length, width, and height, which are crucial for verifying fit in various applications.

## 9. WARRANTY

This Interstate Batteries Marine/RV Battery comes with a 2-year replacement warranty. For specific terms and conditions, please refer to the official warranty documentation provided with your purchase or contact Interstate Batteries customer support.

## 10. SUPPORT AND RECYCLING

For technical assistance, warranty claims, or any questions regarding your Interstate Batteries product, please contact Interstate Batteries customer support. You can find contact information on the official Interstate Batteries website or your product packaging.

Interstate Batteries is committed to environmental responsibility. Please return your used battery to an authorized Interstate All Battery Center for proper recycling. We recycle more batteries than we sell.

Your browser does not support the video tag.

#### Video 2: Interstate Batteries Testing Lab

This video showcases the rigorous testing processes at the Interstate Batteries lab, ensuring that all products meet high standards for performance, reliability, and durability. It highlights the brand's commitment to quality and customer satisfaction.

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