

Banshee 31M

Banshee 12V 105Ah Group 31 Marine Battery Instruction Manual

Model: 31M

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and effective use of your Banshee 12V 105Ah Group 31 Marine Battery. This battery is a dual-purpose Absorbed Glass Mat (AGM) battery, designed for both deep cycle and starting applications in marine and RV environments.

Key features of your Banshee battery include:

- Dual Post Terminals for versatile connection options.
- 12 Voltage and 105 Amp Hours capacity.
- 700 Cold Cranking Amps (CCA) for reliable starting power.
- Maintenance-free, completely sealed, and spill-proof AGM system.



Figure 1: Banshee 12V 105Ah Group 31 Marine Battery. This image shows the overall appearance of the Banshee marine battery, highlighting its compact design and terminal layout.

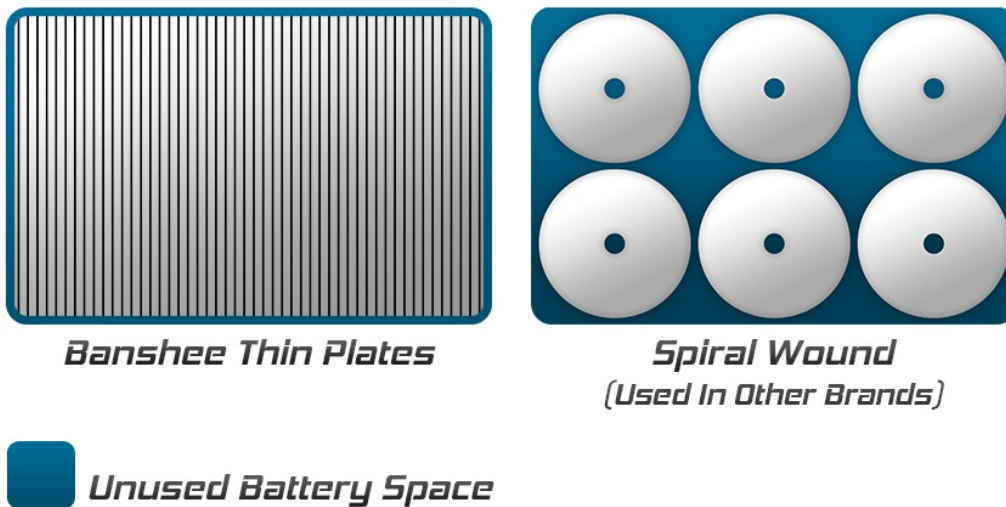


Figure 2: Banshee Thin Plates vs. Spiral Wound Design. This diagram illustrates the internal construction advantage of Banshee's thin plate design compared to traditional spiral wound batteries, indicating more plate surface area for enhanced performance.

2. SETUP

Before installation, ensure the battery is fully charged. Inspect the battery for any physical damage. The Banshee battery features dual post terminals, offering flexibility for various connection types.

- **Terminal Connections:** Connect the positive (+) terminal of the battery to the positive cable of your system, and the negative (-) terminal to the negative cable. Ensure all connections are tight and secure. The battery comes with necessary nuts for secure connections.
- **Mounting:** Secure the battery in a well-ventilated area, away from direct heat sources and flammable materials. Ensure it is mounted upright and stable to prevent movement during operation.



Figure 3: Close-up of Dual Post Terminals. This image provides a detailed view of the dual post terminals on the Banshee battery, showing both the threaded post and the traditional clamp terminal for versatile connections.



Figure 4: Battery with Carry Handle. The image displays the Banshee battery with its integrated carry handle, facilitating easier transport and installation.

Setup Video

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Video 1: Installation of a Dual Marine RV Battery. This video demonstrates the physical installation process of a dual-purpose marine battery, including connecting terminals and securing the battery in place. (Note: This video is from a different brand, but the installation steps are generally applicable to similar battery types.)

3. OPERATING

The Banshee 12V 105Ah Group 31 Marine Battery is designed for dual-purpose use, meaning it can provide both the high current needed for engine starting and the sustained power for deep cycle applications (e.g., powering accessories, trolling motors).

- **Starting Power:** The battery delivers 700 CCA, ensuring reliable engine starts even in demanding conditions.
- **Deep Cycle Use:** With 105Ah capacity, it provides extended power for your marine or RV accessories. AGM technology offers excellent deep cycling capabilities compared to traditional flooded batteries.
- **Vibration Resistance:** The AGM construction makes the battery highly resistant to vibrations, which is crucial for marine and RV environments.

Operating Overview Video

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Video 2: Banshee Group 31M Dual Post AGM Marine Battery. This video provides an overview of the Banshee Group 31M battery, highlighting its dual-purpose functionality for deep cycle and starting, its sealed and maintenance-free AGM system, and its dual post terminals.

4. MAINTENANCE

Your Banshee AGM battery is designed to be maintenance-free. Unlike flooded lead-acid batteries, it does not require water replenishment. However, proper charging and storage practices are essential for maximizing its lifespan.

- **Charging:** Use a charger specifically designed for AGM batteries. The recommended constant voltage charge for cycle use is 14.4V-14.8V (25°C) and for standby use is 13.5V-13.8V (25°C). The initial charge current should be less than 30A. Avoid overcharging, which can damage the battery.
- **Storage:** Store the battery in a cool, dry place. Thanks to its low self-discharge rate, AGM batteries retain their charge longer than traditional flooded batteries when not in use.
- **Cleaning:** Keep the battery terminals clean and free of corrosion. Use a wire brush and a mixture of baking soda and water to clean any buildup, then rinse with clean water and dry thoroughly.



Figure 5: Close-up of Green Indicator. This image shows the green indicator on the battery, which typically provides a visual cue about the battery's charge status. Refer to the battery's label for specific interpretations of the indicator colors.

AGM Battery Technology and Charging Video

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Video 3: UPLUS BCI Group 31M Dual Purpose Marine Battery. This video explains the benefits of AGM battery technology, including its sealed nature, vibration resistance, and low self-discharge. It also provides guidance on proper charging techniques for lead-acid batteries, which are applicable to your Banshee AGM battery. (Note: This video is from a different brand, but the technical information is relevant.)

5. TROUBLESHOOTING

If you encounter issues with your Banshee battery, consider the following common troubleshooting steps:

- **Battery Not Holding Charge:** Ensure your charging system (alternator, charger) is functioning correctly and providing the appropriate voltage for an AGM battery. Check for parasitic drains on your electrical system.
- **Difficulty Starting Engine:** Verify that battery terminals are clean and tightly connected. A loose or corroded connection can impede current flow. Ensure the battery is adequately charged.
- **Unusual Odor or Swelling:** If you notice any unusual odors, swelling, or deformation of the battery case, immediately disconnect it and contact a qualified technician. This could indicate overcharging or internal damage.
- **Terminal Size:** Some users have noted that the screw terminals may be larger than standard. Ensure you have appropriately sized terminal rings and nuts for secure connections.

6. SPECIFICATIONS

Specification	Value
Brand	Banshee
Model Number	31M
Voltage	12 Volts
Amp Hours	105 Ah
Cold Cranking Amps (CCA)	700
Group Size	BCI 31
Product Dimensions	6.7"D x 13"W x 9.4"H
Item Weight	58 pounds
Terminal Type	Marine Terminal (Dual Post)
Battery Cell Composition	Lead Acid (AGM)
OEM Part Number	SC31DM
UPC	843443114114



Figure 6: Banshee 12V 105Ah Group 31 Marine Battery with Dimensions. This image clearly labels the dimensions (depth, width, height) of the battery, aiding in proper fitment and installation.

7. WARRANTY AND SUPPORT

The Banshee 12V 105Ah Group 31 Marine Battery typically comes with a 2-year warranty. For specific warranty details, claims, or technical support, please refer to the documentation provided with your purchase or contact the seller directly.

Additional protection plans may be available for purchase separately, offering extended coverage beyond the standard manufacturer's warranty.