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› Weize GC2 6V Golf Cart Battery User Manual

WEIZE BAD-1561

Weize GC2 6V Golf Cart Battery User Manual

Comprehensive guide for the installation, operation, and maintenance of your Weize GC2 6V 240ah Deep Cycle AGM Battery.

1. INTRODUCTION

Thank you for choosing the Weize GC2 6V 240ah Deep Cycle AGM Battery. This battery is engineered for reliable and long-lasting performance in various deep cycle applications, including golf carts, scissor lifts, and scrubber sweepers. This manual provides essential information for the safe and efficient use of your battery.



Image: The Weize GC2 6V 240ah Deep Cycle AGM Battery, showcasing its robust design and deep cycle branding.

2. PRODUCT OVERVIEW AND KEY FEATURES

The Weize GC2 battery is designed with advanced AGM-GEL technology to deliver superior performance and durability. Key features include:

- **True Deep Cycle AGM-GEL Technology:** Ensures longer cycle life and consistent performance.
- **High Purity Lead:** Utilizes over 99.99% virgin lead for grid plate and carbon active material.
- **Heavy-Duty Construction:** Specifically designed for deep cycle applications with a robust grid/paste design.
- **Maintenance-Free & Non-Spillable:** Valve-regulated design for hassle-free operation and safety.

- **Double Separator Configuration:** Contributes to long cycle life and high energy density.
- **Super Anti-Vibration Design:** Ensures stability and durability even on rough terrains.
- **Low Self-Discharge:** Allows for extended shelf life and storage without significant power loss.



Image: Diagram highlighting key features of the Weize GC2 AGM Battery, including maintenance-free operation, deep cycle performance, and vibration resistance.



Image: Top view of the Weize GC2 AGM Battery, showing terminal connections and important safety labels.

3. DIMENSIONS AND TERMINAL INFORMATION

Understanding the physical dimensions and terminal types is crucial for proper installation.

- **Dimensions:** Length 10.24 inches, Width 7.09 inches, Height 9.92 inches, Total Height 10.79 inches (including terminals).
- **Weight:** Approximately 67 lbs.
- **Terminal Type:** SAE post & SAE/M8.
- **Polarity:** Positive (+)-Red, Negative (-)-Black.

Our Dimensions

Make sure we are the perfect match



Image: Detailed diagram illustrating the dimensions of the Weize GC2 AGM Battery, including length, width, and height.

DT(5/16")

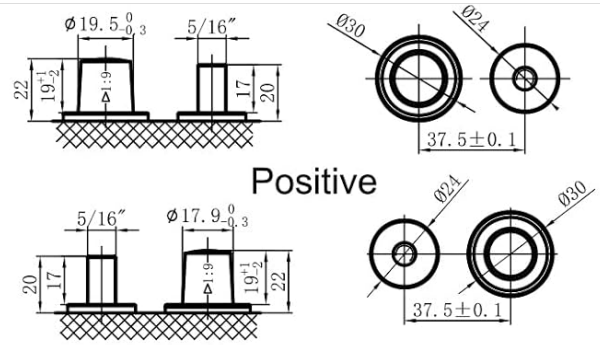


Image: Close-up view of the SAE post and SAE/M8 terminal types on the Weize GC2 AGM Battery, with technical drawings for clarity.

4. SETUP AND INSTALLATION

Before installation, ensure you have the correct tools and safety equipment. Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection.

1. **Inspect the Battery:** Before installation, visually inspect the battery for any signs of damage.
2. **Prepare the Installation Area:** Ensure the battery compartment is clean, dry, and free of debris. Verify that the space accommodates the battery's dimensions.
3. **Connect Terminals:** Connect the positive (+) terminal (Red) first, followed by the negative (-) terminal (Black). Ensure all connections are clean and secure to prevent arcing and ensure optimal performance. Use appropriate wrenches to tighten the SAE post and SAE/M8 terminals.
4. **Secure the Battery:** Ensure the battery is securely fastened in its compartment to prevent movement during operation, which can cause damage or short circuits.
5. **Verify Connections:** Double-check all connections for correct polarity and tightness before operating the equipment.

Important Safety Note: Do not short-circuit the battery terminals. Always disconnect the negative terminal first when removing batteries and connect the positive terminal first when installing.

5. OPERATING INSTRUCTIONS AND CHARGING

The Weize GC2 is a deep cycle AGM battery, designed to be discharged and recharged repeatedly. It is maintenance-free, meaning it does not require water additions.

Charging Guidelines:

- Use a charger specifically designed for AGM batteries. Using a charger meant for flooded lead-acid batteries may not fully charge or could damage the AGM battery over time.
- Ensure the charger's voltage and current settings are appropriate for a 6V AGM battery.
- Avoid overcharging, as this can reduce battery life.
- The battery is designed for long cycle life, even with deep discharges. Refer to the cycle life graph for expected performance based on depth of discharge.

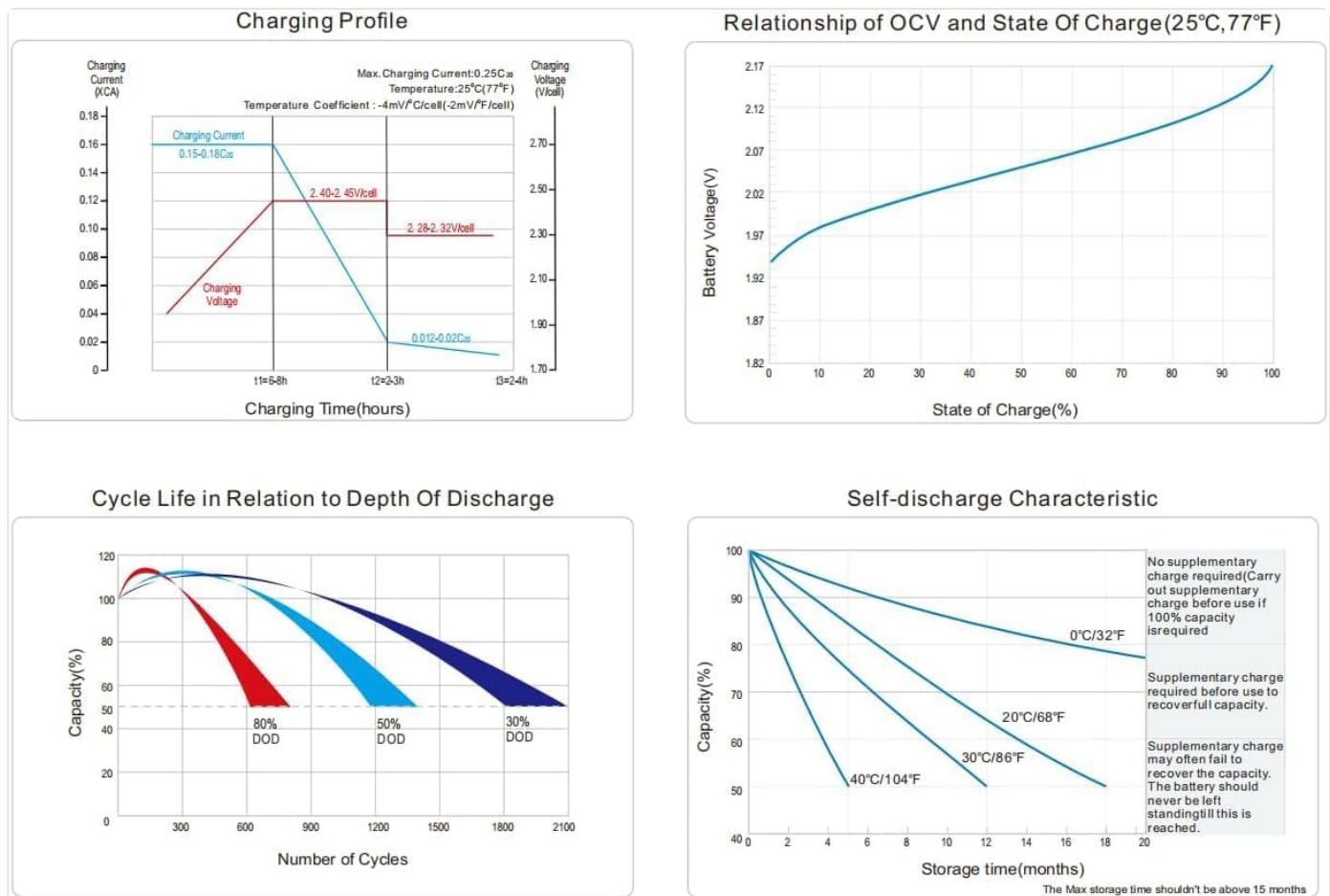


Image: Graphs illustrating the charging profile, relationship between Open Circuit Voltage (OCV) and State of Charge, Cycle Life in relation to Depth of Discharge (DOD), and Self-discharge Characteristics of the battery.

6. MAINTENANCE AND STORAGE

One of the primary advantages of AGM batteries is their minimal maintenance requirements. However, proper care and storage practices will maximize battery lifespan.

- **Cleaning:** Keep the battery terminals and top clean and free of dirt or corrosion. Use a damp cloth to wipe down the battery casing.
- **Connections:** Periodically check terminal connections to ensure they remain tight and secure.

- **Storage:** For long-term storage, ensure the battery is fully charged. Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. The low self-discharge rate allows for longer storage periods.
- **Recharge During Storage:** Although self-discharge is low, it is recommended to perform a supplementary charge every 3-6 months during extended storage to maintain optimal capacity.

7. TROUBLESHOOTING

If you encounter issues with your Weize GC2 battery, consider the following common troubleshooting steps:

- **Battery Not Charging:**
 - Verify that the charger is compatible with AGM batteries and is functioning correctly.
 - Check all cable connections between the charger and the battery for tightness and corrosion.
 - Ensure the power outlet for the charger is active.
- **Reduced Run Time:**
 - Confirm the battery is receiving a full charge.
 - Check for any excessive load or parasitic drains on the system.
 - Review the battery's age and cycle count; deep cycle batteries have a finite number of cycles.
- **Loose Connections:**
 - Loose terminals can cause poor performance, heat buildup, and potential damage. Tighten all connections securely.

If problems persist after following these steps, please contact Weize customer support for further assistance.

8. SPECIFICATIONS

Detailed technical specifications for the Weize GC2 6V 240ah Deep Cycle AGM Battery:

Attribute	Value
Model	BAD-1561
Voltage	6V
Capacity (20HR)	240 Ah
Dimensions (L x W x H)	10.24 x 7.09 x 9.92 inches
Total Height (with terminals)	10.79 inches
Weight	67 lbs
Terminal Type	SAE post & SAE/M8
Battery Type	Deep Cycle AGM-GEL
Operating Temperature Range (Discharge)	-20°C to 55°C (-4°F to 131°F)
Operating Temperature Range (Charge)	0°C to 40°C (32°F to 104°F)
Operating Temperature Range (Storage)	-15°C to 40°C (5°F to 104°F)



Voltage (V)	Capacity(Ah)					Reserve Capacity(min)		
	100HR	20HR	10HR	5HR	3HR	25A	56A	75A
6	260	240	220	200	190	485	185	135

Operating Temperature Range		
Discharge	Charge	Storage
-20°C~55°C(-4°F~131°F)	0C~40°C(32°F-104°F)	-15°C~40°C(5°F~104°F)

Image: Table detailing the battery's capacity at various discharge rates and recommended operating temperature ranges for discharge, charge, and storage.

9. WARRANTY AND SUPPORT

The Weize GC2 6V Golf Cart Battery comes with a**2-year warranty** from the date of purchase, covering manufacturing defects.

For warranty claims, technical support, or any product-related inquiries, please contact the seller directly. Amazon does not handle returns for battery-related products. Ensure you have your purchase details readily available when contacting support.

For more information about WEIZE products, visit the official[WEIZE Store on Amazon](#).

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