

## Qoltec 53062

# Qoltec AGM 12V 7.2Ah Rechargeable Lead-Acid Battery

Model: 53062

## 1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient use of your Qoltec AGM 12V 7.2Ah Rechargeable Lead-Acid Battery, Model 53062. Please read this manual thoroughly before installation and operation to ensure proper handling and to maximize the battery's lifespan.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these safety instructions may result in injury, damage to the battery, or other property damage.**

- Always wear protective glasses and gloves when handling batteries.
- Avoid short-circuiting the battery terminals.
- Do not dispose of the battery in fire or expose it to excessive heat (above 50°C).
- Do not disassemble, modify, or puncture the battery.
- Do not attempt to charge a leaking or damaged battery.
- Ensure proper ventilation during charging.
- Recycle batteries responsibly according to local regulations.

This product complies with CE and RoHS directives.

## 3. PRODUCT OVERVIEW

The Qoltec AGM 12V 7.2Ah battery is a high-performance, maintenance-free, sealed lead-acid battery utilizing Absorbent Glass Mat (AGM) technology. It is designed for a wide range of applications requiring reliable power.



Image: Qoltec AGM battery with key features displayed, including Advanced Technology, 7.2Ah Rated Capacity, 12V Voltage, Safety, and a LongLife expectancy of up to 10 years.



Image: A collage illustrating common applications for AGM batteries, such as powering security cameras, all-terrain vehicles (ATVs), point-of-sale (POS) systems, and children's electric ride-on toys.

### Key Features:

- **AGM Technology:** Advanced design for superior performance and reliability.
- **Rated Capacity:** 7.2 Ampere-hours (Ah).
- **Voltage:** 12 Volts.
- **Max Current:** 108 Amperes (A).
- **Long Life:** Designed for vitality up to 10 years under optimal conditions.
- **Maintenance-Free:** Sealed construction eliminates the need for water additions.

## 4. SETUP

### 4.1 Initial Inspection

Upon receiving your battery, inspect it for any signs of physical damage. If damage is found, do not attempt to use or charge the battery. Contact your supplier immediately.

### 4.2 Installation and Connection

Ensure the battery is placed in a well-ventilated area, away from direct sunlight and heat sources. Connect the battery to your device or charging system following these steps:

1. Identify the positive (+) and negative (-) terminals on the battery. The positive terminal is typically marked with a red indicator or a plus sign, and the negative with a black indicator or a minus sign.
2. Connect the positive (+) cable from your device/charger to the positive (+) terminal of the battery.
3. Connect the negative (-) cable from your device/charger to the negative (-) terminal of the battery.
4. Ensure all connections are secure and tight to prevent arcing or poor contact.



Image: A person wearing protective gloves carefully handling the Qoltec AGM battery, emphasizing the importance of safe handling during setup.

## 5. OPERATING

### 5.1 Charging Guidelines

For optimal performance and longevity, use a charger specifically designed for AGM lead-acid batteries. Adhere to the following charging parameters at 25°C:

- **Standby Use (Float Charge):** 13.50 - 13.80 Volts
- **Cycle Use (Boost Charge):** 14.50 - 15.00 Volts
- **Initial Current:** Less than 2.16 Amperes

Avoid overcharging or deep discharging the battery, as this can significantly reduce its lifespan.

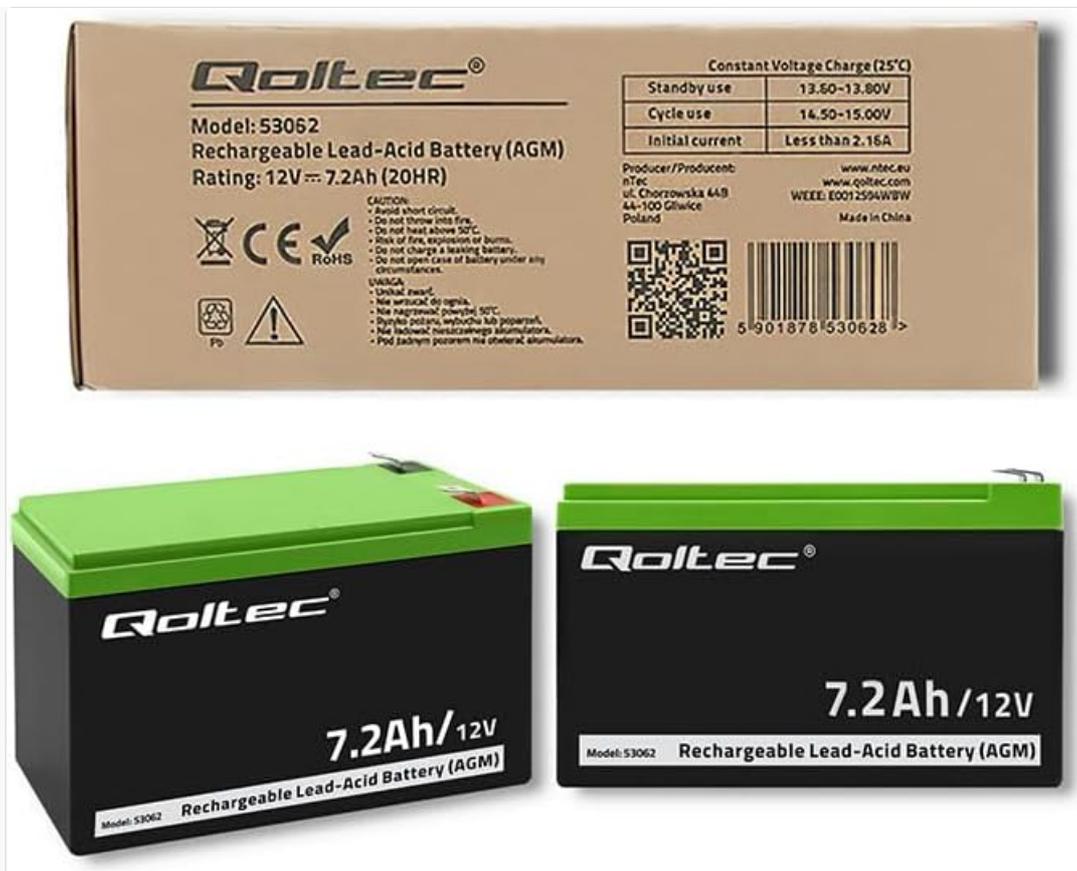


Image: The Qoltec AGM battery displayed next to its packaging, which provides detailed technical specifications and important safety warnings, including charging parameters.

## 5.2 General Usage

The Qoltec AGM battery is suitable for various applications, including uninterruptible power supplies (UPS), emergency lighting, security systems, and portable electronic devices. Ensure the battery's capacity and voltage match the requirements of your application.

## 6. MAINTENANCE

Qoltec AGM batteries are designed to be maintenance-free. However, following these guidelines can help ensure maximum performance and lifespan:

- **Cleaning:** Keep the battery terminals and surface clean and dry. Use a damp cloth to wipe away dust or dirt. Do not use solvents or harsh chemicals.
- **Terminal Connections:** Periodically check terminal connections to ensure they are tight and free from corrosion.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Recharge the battery every 3-6 months to prevent self-discharge and maintain its capacity.
- **Temperature:** Operate and store the battery within its recommended temperature range to avoid performance degradation.

## 7. TROUBLESHOOTING

If you encounter issues with your Qoltec AGM battery, consider the following common problems and solutions:

- **Battery Not Holding Charge:**

- Ensure the charger is functioning correctly and is compatible with AGM batteries.
- Check charging parameters (voltage and current) are within specifications.
- Verify that the battery has not been deeply discharged for an extended period.

- **Low Voltage Output:**

- Check all connections for looseness or corrosion.
- Ensure the battery is fully charged.
- Verify the load connected to the battery is not exceeding its maximum current rating.

- **Battery Overheating During Charge:**

- Disconnect the charger immediately.
- Ensure adequate ventilation around the battery.
- Verify the charger's voltage and current settings are correct for the battery.

If the problem persists after attempting these solutions, contact Qoltec customer support or a qualified technician.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	53062
Technology	AGM (Absorbent Glass Mat)
Voltage	12 Volts
Rated Capacity	7.2 Ampere-hours (Ah)
Max Current	108 Amperes (A)
Reusability	Rechargeable
Dimensions (L x W x H)	150 mm x 65 mm x 95 mm
Constant Voltage Charge (25°C) - Standby Use	13.50 - 13.80 Volts
Constant Voltage Charge (25°C) - Cycle Use	14.50 - 15.00 Volts
Initial Current	Less than 2.16 Amperes



Image: The Qoltec AGM battery with its physical dimensions of 150mm (length), 65mm (width), and 95mm (height) clearly indicated for easy reference.

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official Qoltec website or contact your point of purchase. You can find more information at: [www.qoltec.com](http://www.qoltec.com)