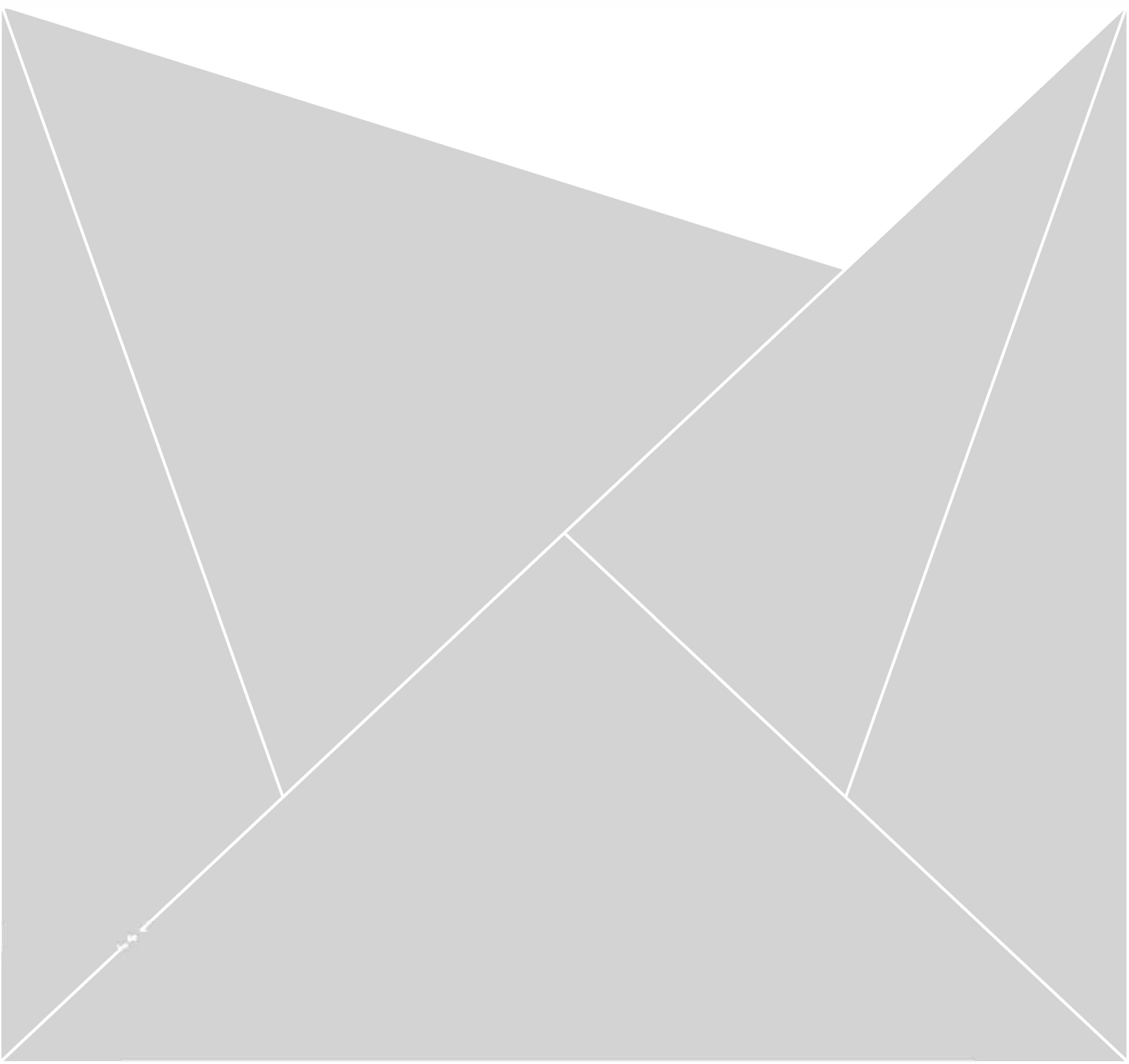


Qoltec®



User Manual

**Qoltec Automatic Charger for AGM GEL STD
Battery 6V 12V | 2A | Charger with LED and
repair function**

Model: 52426

Introduction

Thank you for purchasing our charger for charging AGM, GEL, and standard (STD) lead-acid batteries with 6V or 12V voltage. We are confident that the product will meet your expectations. To ensure proper and safe use of the device, please read the user manual carefully. If you have any questions after reading this manual, please contact our Customer Service Department.

About the Product

The Qoltec charger is designed to charge AGM, GEL, and standard (STD) lead-acid batteries with 6V or 12V voltage. The device automatically adjusts to the battery type and voltage, ensuring safe and efficient charging. The charger is equipped with a clear LED display that shows the battery voltage and charging progress. This feature not only enhances user convenience but also eliminates the risk of errors, especially when charging different types of batteries.

The charger also offers a repair mode, which can help restore the performance of older or long-unused batteries. This regeneration mode is a useful feature for extending the life of your batteries.

Repair Mode Function

Cell Rejuvenation: The repair function works by using gentle pulse charging, which helps "rebuild" the battery cells. This helps remove memory effect, which is common in older batteries, particularly those that have been stored for long periods without use.

Sulfation Removal: Batteries, especially lead-acid types, can suffer damage due to the buildup of lead sulfate on the electrodes. The regeneration function can assist in dissolving these deposits and improving the efficiency of the cells, thus enhancing the battery's performance.

Technical Specifications

Input Voltage: AC 100–240V, 50/60Hz

Output Voltage: DC 6V / 12V (automatic recognition)

Maximum Charging Current: 2A

Maximum Power: 30W

Supported Battery Types: AGM, GEL, STD

Charging Indicator: LED Light

Protection: Overheating, short circuit, reverse polarity, and overcharging protection

Connection Options

The charger provides **two methods of connection** to the battery, offering flexibility depending on the battery type and user preference:

1. **Connection via plug (left side of the image)** – The wires with plugs can be used to connect the charger to the battery using a standard connector that fits most batteries.
2. **Connection via alligator clips (red and black wires)** – The wires with alligator clips allow direct connection to the battery terminals. The red wire (positive) should be connected to the positive terminal of the battery, and the black wire (negative) to the negative terminal.

These two connection methods give the user flexibility when connecting to different types of batteries.

Operating Instructions

1. Ensure that the battery is of the correct type (AGM, GEL, or STD) and voltage (6V or 12V).
2. Check if the charger is suitable for your battery capacity.
3. Connect the red (+) clamp to the positive terminal of the battery.
4. Connect the black (–) clamp to the negative terminal of the battery.
5. Connect the charger to the AC power source.
6. The charger will automatically recognize the battery voltage and begin the charging process.
7. The LED light will indicate the charging status:
 - Red: Charging in progress
 - Green: Charging completed
8. After charging is complete, disconnect the charger from the power source.
9. Disconnect the clamps from the battery, starting with the black (–), followed by the red (+).

Precautions

1. Do not use the charger in a damp or wet environment.
2. Avoid exposing the device to direct sunlight or high temperatures.
3. Do not leave the charger unattended while charging.
4. Do not use the charger for batteries other than the recommended types (e.g., lithium-ion).
5. Store the device in a place inaccessible to children.

6. Do not open or attempt to repair the device yourself — this may result in electric shock and void the warranty.

Maintenance

1. Regularly clean the charger with a dry, soft cloth.
2. Do not use cleaning agents based on solvents or harsh chemicals.
3. Store the charger in a dry, clean place, with temperatures ranging from 0°C to 40°C.
4. Periodically check the condition of the cables and clamps — if damaged, stop using the device.

Disposal

1. Do not dispose of the charger with regular household waste.
2. The device should be returned to an appropriate collection point for used electrical and electronic equipment (in accordance with Directive WEEE 2012/19/EU).
3. Proper disposal helps protect the environment and prevents potential health hazards caused by improper waste disposal.
4. Batteries used with the charger should also be disposed of at designated collection points.

Warranty

The device is covered by a 24-month manufacturer's warranty. In case of any issues with the charger's operation, please contact an authorized service center or point of sale.