

Energizer EN5-12

Energizer EN5-12 12 Volt 5 Amp Hour AGM Rechargeable Battery Instruction Manual

Model: EN5-12

1. INTRODUCTION AND OVERVIEW

The Energizer EN5-12 is a 12 Volt, 5 Amp Hour Sealed Lead Acid (SLA) battery utilizing Absorbent Glass Mat (AGM) technology. This design ensures a non-spillable, maintenance-free operation, eliminating the need for electrolyte maintenance or water addition. It is engineered for efficient gas recombination, providing reliable power for various applications.

Key features include quality construction with 99.994% LME certified lead and computer-designed calcium tin alloy grids, ensuring high power density and a long service life in both float and cyclic applications. The battery is resistant to shocks and vibrations.

Common applications for the EN5-12 battery include:

- Garage door openers
- Alarm panels and security systems
- Kids ride-on toys
- Backup power systems (UPS)
- Emergency lighting
- Scooters and other small electric vehicles

**MADE TO
LAST**
NOT TO
LEAK



Image: The Energizer EN5-12 battery, highlighting its sealed, non-spillable design for durability and safety.



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Image: Various applications for the Energizer EN5-12 battery, including kids' ride-on toys, alarm systems, and garage doors.

2. SETUP AND INSTALLATION

Before installation, inspect the battery for any physical damage. Ensure the terminals are clean and free from corrosion. The Energizer EN5-12 battery comes with F1 terminals. F1 to F2 adapters are included to facilitate compatibility with a wider range of devices requiring F2 terminals.

2.1 Terminal Connection

1. Identify the positive (+) and negative (-) terminals on the battery.
2. If your application requires F2 terminals, attach the provided F1-F2 adapters securely to the F1 terminals.
3. Connect the positive lead from your device to the positive terminal of the battery.
4. Connect the negative lead from your device to the negative terminal of the battery.
5. Ensure all connections are tight and secure to prevent power loss or arcing.

2.2 Installation Position

The sealed AGM design allows for flexible installation. The battery can be used in any position except

upside down. Ensure the battery is placed in a stable location where it will not be subjected to excessive movement or vibration.

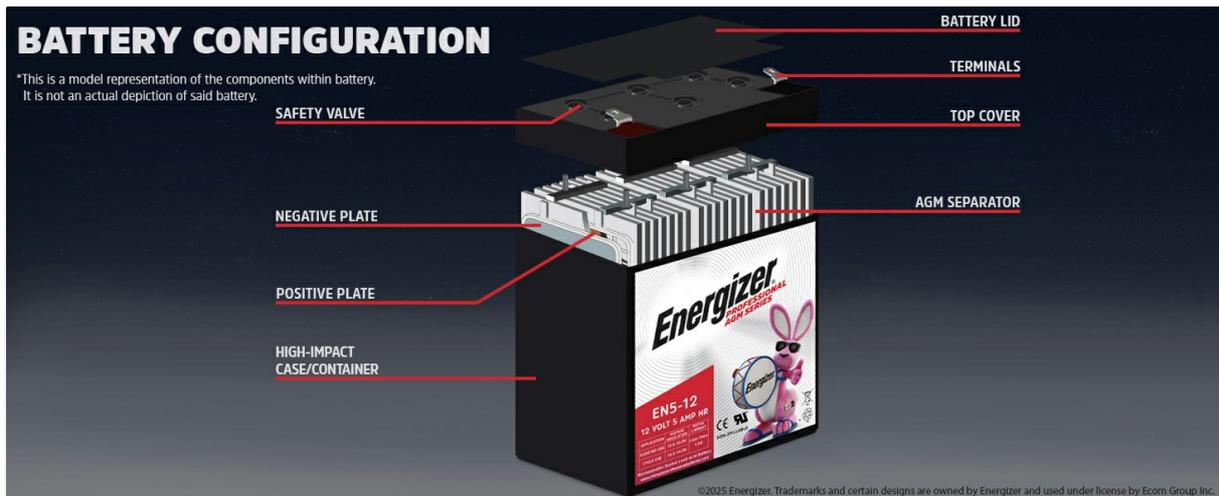


Image: A cutaway diagram illustrating the internal configuration of an AGM battery, detailing components such as the AGM separator, plates, and safety valve.

3. OPERATING GUIDELINES

To ensure optimal performance and longevity of your Energizer EN5-12 battery, adhere to the following operating and charging guidelines:

3.1 Charging Recommendations

- **Charger Specificity:** Always use a charger designed for 12V Sealed Lead Acid (SLA) or AGM batteries. Using an incompatible charger can lead to inefficient charging, damage to the battery, or safety hazards.
- **Temperature Matters:** Charge the battery within the manufacturer's recommended temperature range. Charging at extreme temperatures (too hot or too cold) can reduce battery life and performance.
- **Avoid Partial Charging:** Continuously charging the battery only to a certain percentage, rather than a full charge, can lead to a gradual loss of its ability to reach 100% capacity over time. For best results, allow the battery to complete its charging cycle.



Image: Tips for prolonging the lifespan of AGM batteries, emphasizing correct charger usage, temperature considerations, and avoiding partial charging.

4. MAINTENANCE

The Energizer EN5-12 AGM battery is designed to be virtually maintenance-free. Its sealed construction eliminates the need to check electrolyte levels or add water.

4.1 General Care

- Keep the battery clean and dry. Wipe away any dust or dirt from the battery casing.
- Ensure terminal connections remain tight and free of corrosion. If corrosion is present, disconnect the battery and clean the terminals with a wire brush and a baking soda solution, then rinse with water and dry thoroughly before reconnecting.
- Avoid exposing the battery to extreme temperatures for prolonged periods.

4.2 Storage

The battery features a low self-discharge rate, allowing it to retain charge during extended storage periods. For optimal storage, ensure the battery is fully charged before storing it in a cool, dry place. Periodically check the voltage and recharge if necessary to prevent deep discharge, which can shorten battery life.

5. TROUBLESHOOTING

If you encounter issues with your Energizer EN5-12 battery, consider the following common troubleshooting steps:

5.1 Battery Not Holding Charge

- **Check Charger:** Verify that the charger is functioning correctly and is compatible with 12V SLA/AGM batteries.
- **Charging Time:** Ensure the battery is being charged for an adequate duration to reach full capacity.
- **Connections:** Inspect all connections for looseness or corrosion. Poor connections can impede proper charging.
- **Battery Age:** Batteries have a finite lifespan. If the battery is several years old and has been heavily used, its capacity may naturally diminish.

5.2 Low Power Output

- **Full Charge:** Confirm the battery is fully charged before use.
- **Load Compatibility:** Ensure the device's power requirements do not exceed the battery's capacity.
- **Temperature:** Extreme cold can temporarily reduce battery performance. Allow the battery to warm up to ambient temperature if it has been stored in cold conditions.

If problems persist after performing these checks, contact customer support for further assistance.

6. SPECIFICATIONS

Detailed specifications for the Energizer EN5-12 battery:

Specification	Value
Model Number	EN5-12MP2
Voltage	12 Volts

Specification	Value
Battery Capacity	5 Amp Hours
Battery Cell Composition	Lead Acid (AGM)
Item Weight	8 pounds (approx. 3.63 kg)
Product Dimensions (L x W x H)	3.54 x 2.76 x 4.21 inches (approx. 8.99 x 7.01 x 10.69 cm)
Terminal Type	F1 (F1-F2 adapters included)



Image: Physical dimensions and weight of the Energizer EN5-12 battery, along with its F1 terminal type.

7. WARRANTY INFORMATION

The Energizer EN5-12 battery is backed by a **Limited Two-Year Warranty**. This warranty covers defects in materials and workmanship under normal use and service conditions. For specific terms and conditions, please refer to the warranty documentation provided with your purchase or contact Energizer customer support.

8. SUPPORT AND CERTIFICATIONS

For any questions, technical assistance, or warranty claims, please refer to the contact information provided by your retailer or the official Energizer website.

The Energizer EN5-12 battery meets stringent safety and quality standards, holding the following certifications:

- **UL Safety Standards:** Certified to meet Underwriters Laboratories safety requirements.
- **CE Certified:** Complies with European Union safety, health, and environmental protection requirements.
- **ISO 9001 & ISO 14001:** Manufactured under quality management (ISO 9001) and environmental management (ISO 14001) standards.

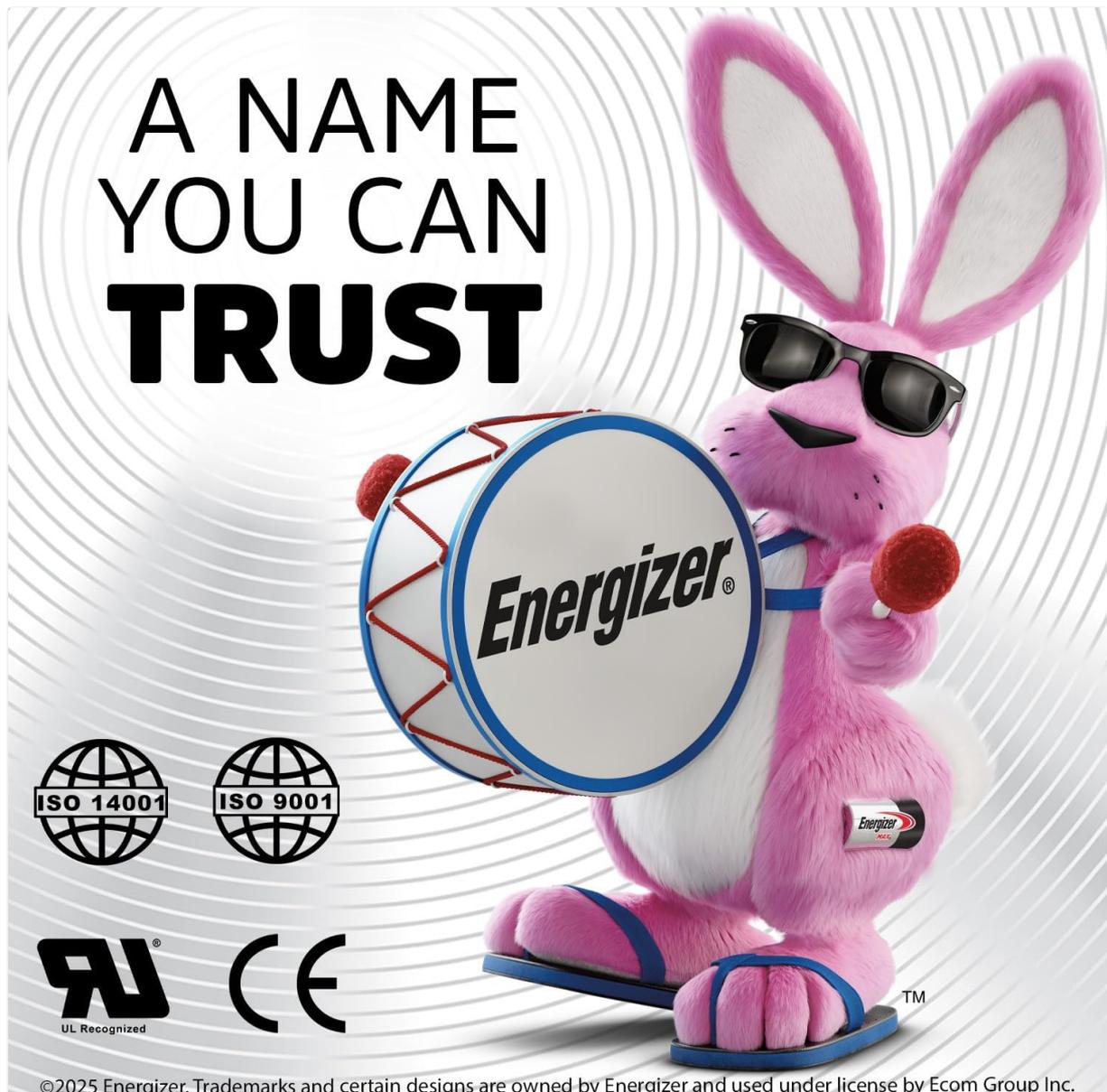


Image: The Energizer brand's commitment to quality and safety, indicated by ISO, UL, and CE certifications.