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EBL EB-AGM H6

EBL EB-AGM H6 12V 70Ah Group 48 Car Battery Instruction Manual

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and effective use of your EBL EB-AGM H6 12V 70Ah Group 48 Car Battery. This Absorbed Glass Mat (AGM) battery is designed for high performance, offering 760 Cold Cranking Amps (CCA) and a 120 Reserve Capacity (RC). It features a maintenance-free and leakproof design, making it a reliable power source for various vehicles.



Front view of the EBL EB-AGM H6 car battery, showcasing its label with model number, voltage, capacity, CCA, and RC

ratings.

2. SAFETY INFORMATION

Always prioritize safety when handling batteries. Improper handling can lead to serious injury or damage.

- **Keep away from sparks and fireworks:** Batteries can produce explosive gases.
- **Wear protective eyewear:** Always wear safety glasses when working with batteries.
- **Ensure proper ventilation:** Work in a well-ventilated area to disperse any gases.
- **Avoid contact with acid:** If battery acid contacts skin or eyes, rinse immediately with plenty of water and seek medical attention.
- **Do not block or alter vents:** Ensure battery vents remain clear.
- **Keep away from children:** Batteries contain hazardous materials.

Why Choose EBL 60AH AGM BATTERY?

Strengthen the battery shell material:
High temperature resistance,
deformation resistance

Safety valve:
Control gas oxygen
composite reaction

Horizontal butt weld:
Increase the plate reaction
area and improve high current
discharge capacity

Special busbar alloy:
Solid, corrosion-resistant,
reliable

Grid:
Multi-component anti-creep
alloy, current path simulated

Multi-component composite glass fiber separator:
Excellent acid absorption performance and mechanical
elasticity, reducing acid stratification

Special carbon additive for negative plate:
Special formula that takes into account water loss
and charge acceptance

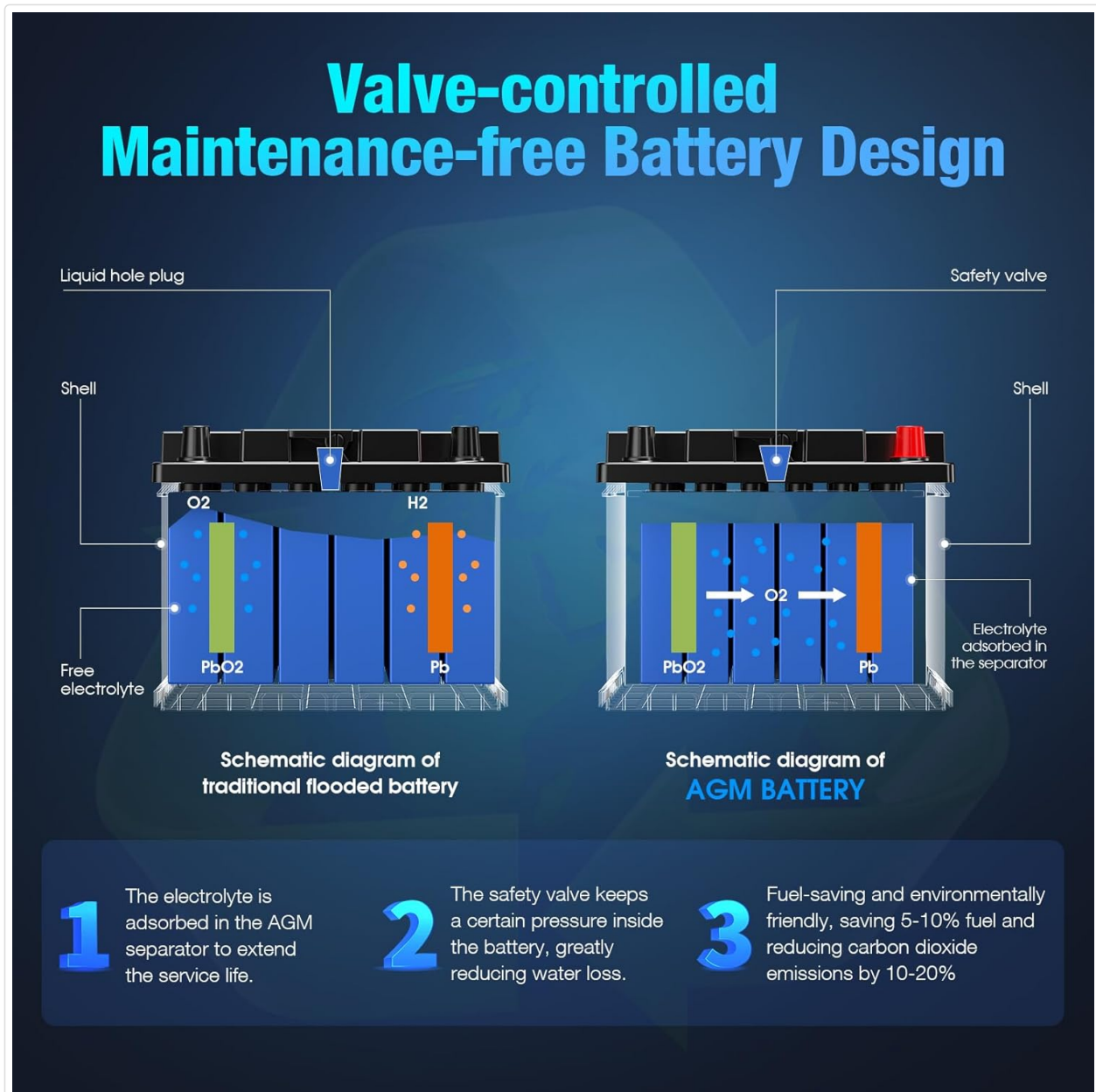
Close-up view of the EBL EB-AGM H6 battery terminals, indicating the negative (left) and positive (right) posts, along with dimensions.

3. PRODUCT FEATURES

The EBL EB-AGM H6 battery incorporates advanced AGM technology for superior performance and durability.

3.1. Advanced AGM Design

This battery utilizes Absorbed Glass Mat (AGM) technology where the electrolyte is absorbed into a mat of fine glass fibers between the plates. This design makes the battery maintenance-free, spill-proof, and highly resistant to vibration.



A cutaway diagram illustrating the internal components of the EBL AGM battery, highlighting features like the strengthened shell, special busbar alloy, safety valve, multi-component composite glass fiber separator, grid, and special carbon additive for the negative plate.

3.2. Performance Advantages

- **High Power Output:** Delivers 760 CCA for reliable starting power.
- **Enhanced Durability:** Features a strengthened battery shell material for high temperature and deformation resistance.
- **Optimized Internal Components:** Special busbar alloy for solid, corrosion-resistant connections, and a multi-component anti-creep alloy grid for efficient current flow.
- **Deep Cycle Capability:** Offers a significantly longer cycle life compared to traditional batteries.

Wide Compatibility & High Safety

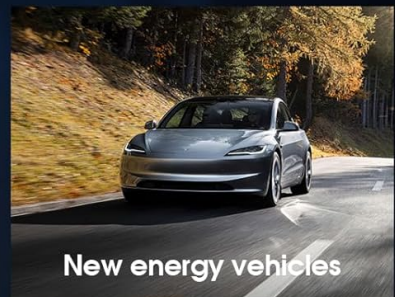
Applicable to large sedans/SUVs and new energy vehicles equipped with start-stop systems and power-consuming devices



Large cars



SUV



New energy vehicles

Note: Product dimensions are measured manually, so there may be some errors. Please refer to the actual product for details.

A schematic comparison showing the internal differences between a traditional flooded battery and an AGM battery, emphasizing how the electrolyte is adsorbed in the AGM separator and the role of the safety valve.

4. SETUP AND INSTALLATION

Before installation, ensure you have appropriate tools and safety gear, including safety glasses and gloves. Always refer to your vehicle's owner's manual for specific battery replacement procedures.

4.1. Unboxing the Battery

The EBL EB-AGM H6 battery is securely packaged to prevent damage during transit. Carefully open the box and remove any protective foam or packaging materials. The battery comes with integrated handles for easier lifting and positioning.

Your browser does not support the video tag.

This video demonstrates the unboxing process of the EBL AGM car battery, showing how it is securely packaged and revealing the battery itself with its protective covers and handles.

4.2. Installation Steps

1. **Preparation:** Turn off the vehicle and remove the ignition key. Ensure all electrical accessories are off.
2. **Disconnect Old Battery:** Always disconnect the negative (-) terminal first, followed by the positive (+) terminal. Remove any battery hold-downs.
3. **Remove Old Battery:** Carefully lift and remove the old battery. Be aware of its weight.
4. **Clean Battery Tray and Cables:** Clean any corrosion from the battery tray and cable terminals using a wire brush and battery terminal cleaner.
5. **Install New Battery:** Place the EBL EB-AGM H6 battery into the battery tray. Ensure it is seated securely.
6. **Connect New Battery:** Connect the positive (+) terminal first, then the negative (-) terminal. Tighten all connections firmly but do not overtighten.
7. **Secure Battery:** Reinstall any battery hold-downs to prevent movement.

Your browser does not support the video tag.

This video illustrates the installation of the EBL AGM car battery into a vehicle, including connecting the terminals, and demonstrates a successful engine start, confirming the battery's immediate functionality.

5. OPERATING INSTRUCTIONS

The EBL EB-AGM H6 battery is designed for reliable operation in a wide range of vehicles, including those with start-stop systems.

- **Vehicle Compatibility:** This Group 48 battery is suitable for large sedans, SUVs, and new energy vehicles.
- **Temperature Performance:** The battery is engineered to perform effectively in extreme temperatures, with an operating range of 14°F (-10°C) to 140°F (60°C).
- **Starting the Vehicle:** After proper installation, the battery will provide immediate starting power.

Excellent Deep CYCLE CAPABILITY



An image depicting a car driving in both hot and cold environments, illustrating the EBL AGM battery's ability to perform reliably across a wide operating temperature range of 14°F (-10°C) to 140°F (60°C).

6. MAINTENANCE

One of the key benefits of the EBL EB-AGM H6 battery is its maintenance-free design. Unlike traditional flooded batteries, it does not require water additions.

- **Terminal Inspection:** Periodically check battery terminals for cleanliness and tightness. Ensure connections are secure to prevent power loss and corrosion.
- **Cleaning:** If corrosion is present, clean terminals with a mixture of baking soda and water, then rinse with clean water and dry thoroughly.
- **Charging:** If the vehicle is stored for extended periods, use a smart charger designed for AGM batteries to maintain optimal charge.

7. TROUBLESHOOTING

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

- **No Start or Slow Crank:** Check battery terminal connections for tightness and corrosion. Ensure the battery is fully charged. A weak battery may require charging or replacement.
- **Electrical System Issues:** If other electrical components are malfunctioning, check the vehicle's fuses and wiring.
- **Battery Light On:** This typically indicates a charging system problem. Have your vehicle's alternator and charging system inspected by a qualified technician.

For persistent issues, consult a professional automotive technician.

8. SPECIFICATIONS

Detailed specifications for the EBL EB-AGM H6 12V 70Ah Group 48 Car Battery:

Specification	Value
Model	EB-AGM H6
Battery Type	Lead-acid (AGM)
Nominal Voltage	12V
Nominal Capacity (20HR)	70Ah
Cold Cranking Amps (CCA)	760A
Cranking Amps (CA)	912A
Reserve Capacity (RC)	120 minutes
BCI Group Size	48
DIN Codes	H5, L3
Product Dimensions	10.94 x 7.48 x 6.88 inches (27.8 x 19.0 x 17.5 cm)
Charging Temperature Range	0 ~ 45°C (32 ~ 113°F)

START FREELY WITHOUT FEAR OF TEMPERATURE CHANGES

AGM batteries perform well in extreme temperatures and are highly adaptable, able to operate normally in both high and low temperature environments.

☀️ 140°F / 60°C ~ 14°F / -10°C ❄️





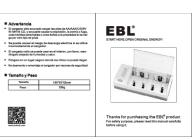


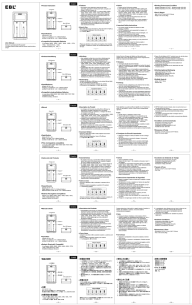
Operating temperature range: 14°F/-10°C~140°F/60°C

An image detailing the dimensions of the EBL EB-AGM H6 battery and its Group Size 48 classification.

9. WARRANTY AND SUPPORT

The EBL EB-AGM H6 Car Battery comes with a 12-month free replacement warranty. For warranty claims or technical support, please contact EBL customer service through the retailer where the product was purchased. Ensure you have your purchase receipt and product model information available.

Related Documents - EB-AGM H6

	<p>EBL MP330 Portable Power Station User Manual</p> <p>User manual for the EBL MP330 portable power station, detailing features, specifications, charging methods, safety guidelines, troubleshooting, and warranty information for optimal use.</p>
	<p>EBL-992 Battery Charger User Guide: Specifications, Operation, and Safety</p> <p>This user guide provides detailed information for the EBL-992 battery charger, covering specifications, charging times for Ni-MH/Ni-CD and Lithium-ion batteries (AA, AAA, C, 18650, etc.), operating conditions, and crucial safety instructions. Available in English, French, German, Spanish, Italian, and Japanese.</p>
	<p>EBL-906 Smart Battery Charger User Manual Features & Safety Guide</p> <p>Explore the EBL-906 Smart Battery Charger with this detailed user manual. Understand its advanced features for charging AA, AAA, C, D, and 9V Ni-MH/Ni-CD batteries, intelligent safety protections, and essential usage guidelines for optimal performance.</p>
	<p>EBL 992 Battery Charger User Manual and Specifications</p> <p>Detailed user manual and specifications for the EBL 992 battery charger, covering features, safety instructions, environmental conditions, and technical details for Ni-MH, Ni-CD, and Li-ion rechargeable batteries.</p>
	<p>EBL FY-809 Battery Charger User Guide</p> <p>User guide for the EBL FY-809 battery charger, detailing specifications, charging times, usage instructions, safety warnings, and warranty for AA and AAA rechargeable batteries.</p>
	<p>EBL TB-6030</p> <p>EBL TB-6030 Ni-MH Ni-CD</p>