

Casil HR12-36W F2

Casil Power Energy HR12-36W F2 12V 7.2Ah Replacement Battery User Manual

Model: HR12-36W F2 | Brand: Casil

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Casil Power Energy HR12-36W F2 12V 7.2Ah Replacement Battery. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your battery.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the battery and connected equipment:

- **Do Not Short Circuit Terminals:** Avoid connecting the positive and negative terminals directly, as this can cause severe damage to the battery and pose a fire hazard.
- **Do Not Charge in a Sealed Container:** Ensure adequate ventilation during charging to prevent gas accumulation.
- **Recharge After Use:** For optimal battery life, recharge the battery promptly after each use.
- **Non-Spillable:** This battery is sealed and non-spillable, but proper handling is still required.
- **Risk of Fire, Explosion, or Burns:** Do not disassemble, heat above 60°C (140°F), or incinerate the battery.
- **Proper Disposal:** Dispose of batteries according to local regulations. Do not dispose of in household waste.



Image: Front view of the Casil CA1272 12V 7.2Ah battery, showing caution labels regarding shorting terminals, charging in sealed containers, recharging after use, and non-spillable nature. Also visible are warnings about fire, explosion, or burns, and instructions not to disassemble, heat above 60°C, or incinerate.

3. PRODUCT OVERVIEW

The Casil CA1272 12V 7.2Ah battery is a Sealed Lead-Acid (SLA) / Absorbed Glass Mat (AGM) rechargeable battery designed for various applications requiring reliable power.

Key Features:

- **SLA / AGM Spill-Proof Design:** Ensures safe operation and prevents leaks.
- **High Discharge Rate:** Capable of delivering power efficiently.
- **Wide Operating Temperatures:** Maintains performance across various temperature conditions.
- **Long Service Life:** Engineered for durability and extended use.
- **Deep Discharge Recovery:** Ability to recover from deep discharge cycles.
- **Vibration and Shock Resistant:** Designed to withstand physical stress.
- **Maintenance-Free:** Requires no regular water topping or electrolyte checks.

Components:

- **Battery Unit:** The main sealed lead-acid battery.

- **Terminals:** F2 type terminals for connection.

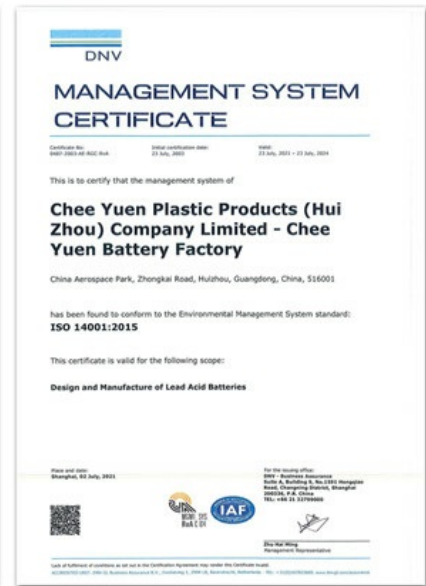
Certification



IATF 16949



ISO9001



ISO14001

Image: An exploded view diagram illustrating the internal components of a sealed lead-acid battery, including the case, AGM separator, inter-cell connectors, special-grid design, special-active material, and sealed terminal, highlighting its superior performance and reliability.

4. SETUP AND INSTALLATION

The Casil CA1272 battery is designed for easy installation. Ensure the battery is compatible with your device's voltage and capacity requirements before proceeding.

Installation Steps:

1. **Verify Compatibility:** Confirm that your device requires a 12V 7.2Ah battery with F2 terminals.
2. **Safety First:** Disconnect power from the device before handling batteries. Wear appropriate personal protective equipment (PPE) such as gloves and eye protection.
3. **Remove Old Battery (if applicable):** Carefully disconnect the terminals of the old battery, usually negative first, then positive.
4. **Position New Battery:** Place the Casil CA1272 battery in the designated battery compartment. It can be mounted in any position.
5. **Connect Terminals:** Connect the positive (+) terminal of the battery to the positive terminal of the device, and the negative (-) terminal of the battery to the negative terminal of the device. Ensure connections are secure and tight.
6. **Secure Battery:** If applicable, secure the battery within its compartment to prevent movement during operation.

Note: This listing is for the battery only. No wire harness or mounting accessories are included. Use existing accessories from your device or acquire compatible ones separately.



CASIL 12V 7.2AH RAZOR REPLACEMENT BATTERY COMPATIBLE WITH E200S, E225, E300, E300S, E325



Image: The Casil 12V 7.2Ah battery shown with text highlighting its compatibility as a replacement battery for Razor E200S, E225, E300, E300S, and E325 models, indicating its suitability for specific electric scooter applications.

5. OPERATING INSTRUCTIONS

The Casil CA1272 battery is designed for reliable power delivery in various applications.

Charging:

- Use a charger specifically designed for 12V Sealed Lead-Acid (SLA) or AGM batteries.
- Ensure the charger's voltage and current output match the battery's requirements.
- Always recharge the battery after each use to maximize its lifespan and maintain performance.
- Avoid overcharging, as this can damage the battery. Most modern chargers have automatic shut-off features.

Discharge:

- The battery has a high discharge rate characteristic, suitable for applications requiring quick power delivery.

- While the battery has deep discharge recovery capabilities, frequent deep discharges can reduce overall lifespan.
Try to avoid fully depleting the battery whenever possible.

Scope of Application:

This battery is suitable for a wide range of uses, including but not limited to:

- Float Charging applications
- Burglar / Fire Alarms
- Solar Power Equipment
- Emergency Lights
- Office Equipment
- Telecommunications Systems
- Computer (UPS systems)
- Currency Detectors
- Uninterruptible Power Supply (UPS)



MULTI PURPOSE USE FOR LONG TERM ENERGY



Image: A collage of three images depicting electric scooters in various settings, demonstrating the multi-purpose use of the battery for long-term energy applications, such as powering personal mobility devices.

6. MAINTENANCE

The Casil CA1272 is a maintenance-free battery, meaning it does not require electrolyte checks or water topping. However, proper care and storage are essential for maximizing its lifespan.

General Care:

- **Keep Clean:** Periodically wipe the battery casing with a dry cloth to remove dust and dirt. Ensure terminals are clean and free of corrosion.
- **Avoid Extreme Temperatures:** While designed for wide operating temperatures, prolonged exposure to extreme heat or cold can affect performance and lifespan.
- **Physical Protection:** Protect the battery from severe impacts or punctures.

Storage:

- Store the battery in a cool, dry place away from direct sunlight and heat sources.
- Ensure the battery is fully charged before storing for extended periods.
- For long-term storage, periodically check the battery voltage and recharge if it drops below 12.5V to prevent irreversible damage from deep discharge.



Image: The Casil battery displayed with text emphasizing its durability and long life, alongside key specifications such as 12 Volts (DC) and an item weight of 4.5 lbs, reinforcing its robust design and performance characteristics.

7. TROUBLESHOOTING

If you encounter issues with your Casil CA1272 battery, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	Faulty charger, loose connections, battery deeply discharged.	Check charger functionality. Ensure all connections are secure. If deeply discharged, try a specialized recovery charger or consult a professional.
Shortened operating time	Battery nearing end of life, frequent deep discharges, operating in extreme temperatures.	Ensure proper charging cycles. Avoid frequent deep discharges. Operate within recommended temperature ranges. Consider battery replacement if old.
Battery overheating during charge/discharge	Overcharging, internal short circuit, excessive load.	Disconnect immediately. Ensure charger is compatible and not overcharging. Reduce load on the battery. If overheating persists, discontinue use and replace.
Device not powering on with battery	Battery not charged, incorrect installation, device fault.	Verify battery charge level. Recheck terminal connections for correct polarity and tightness. Test the device with another known good power source if possible.

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

8. SPECIFICATIONS

Detailed technical specifications for the Casil Power Energy HR12-36W F2 12V 7.2Ah Replacement Battery:

Model Number: HR12-36W F2 (CA1272)

Voltage: 12V

Capacity: 7.2Ah (Amp Hours)

Battery Cell Composition: Lead Acid (SLA / AGM)

Terminal Type: F2

Product Dimensions (L x W x H): 5.94 x 2.56 x 3.68 inches

Item Weight: 4.5 pounds

Manufacturer: Chee Yuen Industrial Co., Ltd

Country of Origin: Vietnam

Included: 1 x 12V battery



DIMENSIONS AND SPECIFICATION

- AGM – Absorbed Glass Mat High Performance
- Maintenance Free
- Terminal: F2
- Weight: 4.52 LBS

5.9 INCH

2.5 INCH

3.7 INCH



Image: The Casil battery with clear labels indicating its dimensions: 5.9 inches in length, 2.5 inches in width, and 3.7 inches in height, providing a visual reference for its physical size and specifications.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Casil battery, please refer to the product packaging or contact the seller directly. Casil products are manufactured by Chee Yuen Industrial Co., Ltd.

For further assistance, you may visit the official Casil website or contact their customer service department. Please have your model number (HR12-36W F2) and purchase details ready when contacting support.



Image: The Casil brand logo with the tagline "Charging Ahead with Casil Battery," representing the company's commitment to power solutions.

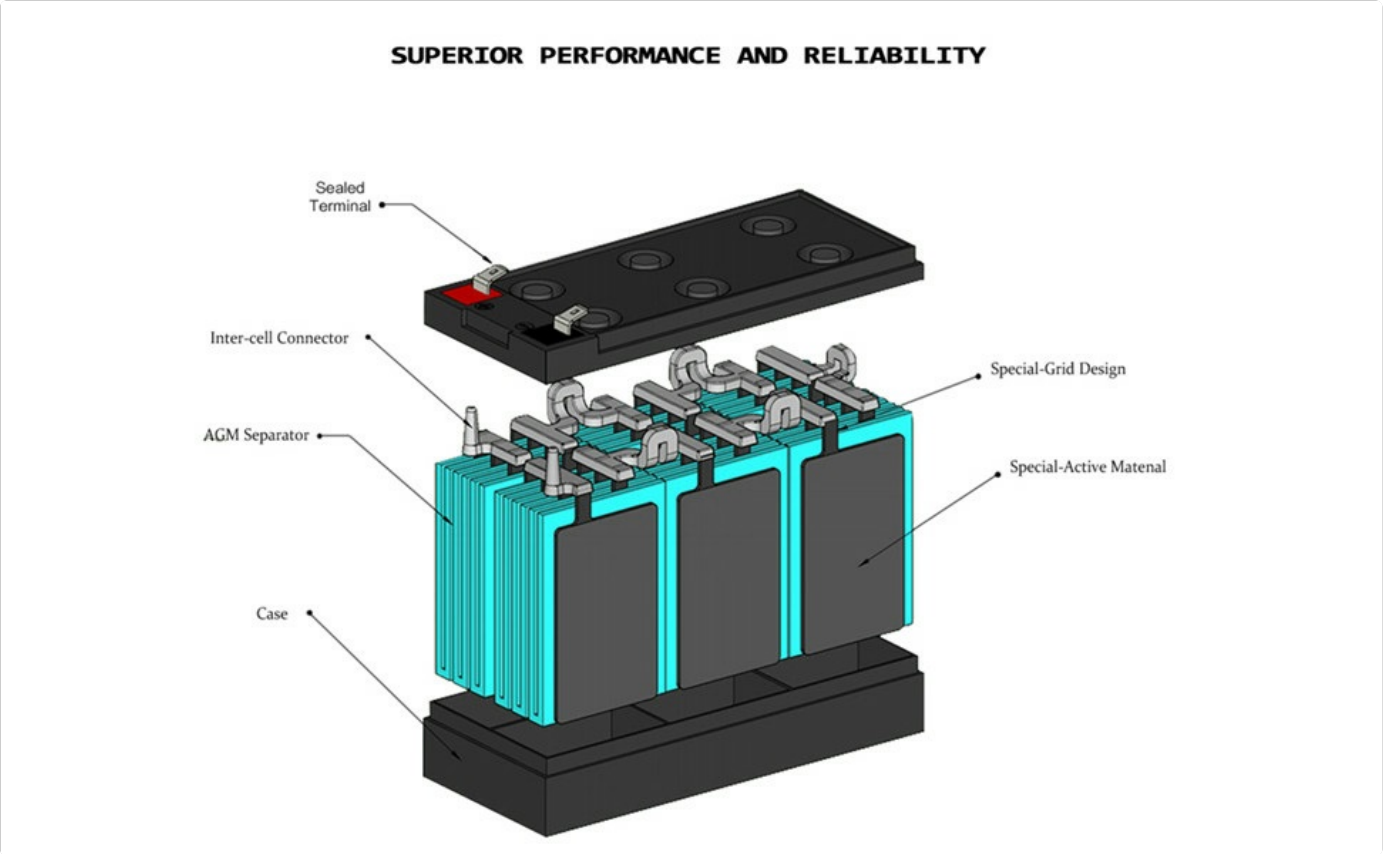


Image: A display of various Casil battery models, showcasing the range of products offered by the brand.



Image: The Casil CA1272 12V 7.2Ah battery, the specific model covered in this manual.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question