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› ExpertPower EXP12120 12V 12Ah AGM Battery Instruction Manual

ExpertPower EXP12120

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Model: EXP12120 | Brand: ExpertPower

INTRODUCTION

The ExpertPower EXP12120 is a 12V 12Ah Sealed Lead Acid (SLA) battery utilizing Absorbent Glass Mat (AGM) technology. This battery is designed for reliable backup power and consistent performance across various applications. It is a valve-regulated, maintenance-free unit, eliminating the need for water topping.

Common applications include home alarm systems, Uninterruptible Power Supply (UPS) units, lighting equipment, general electronics, home security systems, emergency systems, medical devices, electric scooters, solar collectors, and wheelchairs.

PRODUCT FEATURES

- **Reliable Backup Power:** Provides consistent 12V 12Ah power for security systems, UPS, small EPS (single-lift emergency descent power), mobility devices, medical devices, and other standby systems.
- **AGM Technology:** Advanced Absorbent Glass Mat design prevents leaks and spills, ensuring consistent power delivery for critical standby applications.
- **Versatile Applications:** Equipped with F2 terminals, suitable for UPS battery replacement, trailer breakaway batteries, or mobility scooter batteries.
- **Rugged & Durable:** Features a high-impact ABS case that resists shock, vibration, chemicals, and heat, ensuring long-lasting performance in demanding standby applications.
- **Maintenance-Free & User-Friendly:** Designed for one-time installation with no water topping required.

Powerful & High Quality

- Extremely Durable
- High Performance
- Long Cycle Life

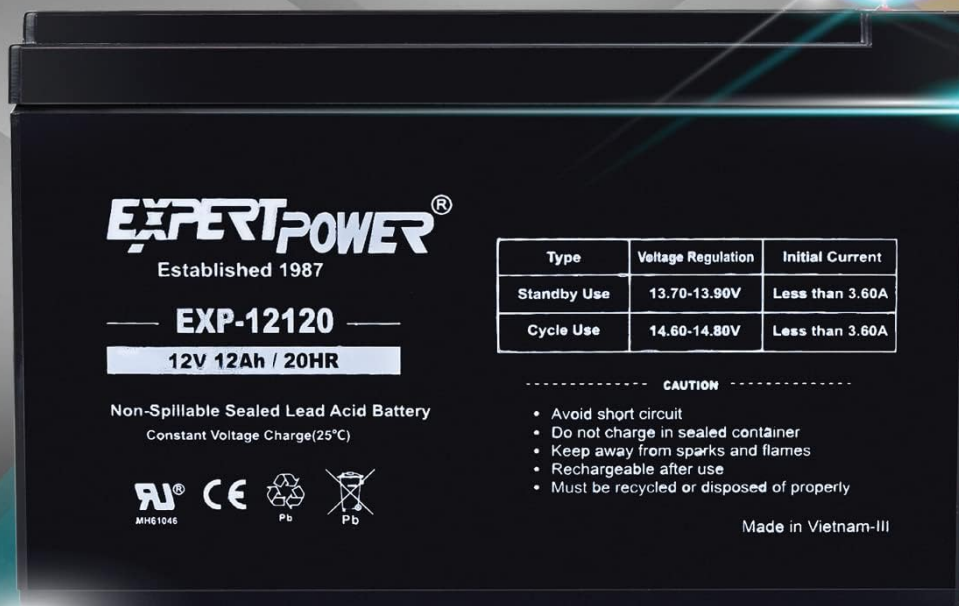


Image: Highlights of the battery's features: extremely durable, high performance, and long cycle life. Includes caution notes for safe handling.

Proven Quality. Tested Standards.



Quality

ISO 14001: 2015



Health & Safety

ISO 18001:2004



Environmental

ISO 9001:2015



Image: Certifications indicating proven quality and tested standards, including ISO 14001:2015, ISO 18001:2004, ISO 9001:2015, UL Certified, and UL Recognized.

SPECIFICATIONS

Attribute	Value
Model Number	EXP12120
Voltage	12V
Capacity	12Ah / 20HR
Battery Cell Composition	Lead Acid (AGM)
Terminal Type	F2
Product Dimensions	5.94 x 3.86 x 3.98 inches (15.1 x 9.8 x 10.1 cm)
Item Weight	7.61 pounds (3.45 kg)

Size & Dimensions

12V 12AH SLA Battery

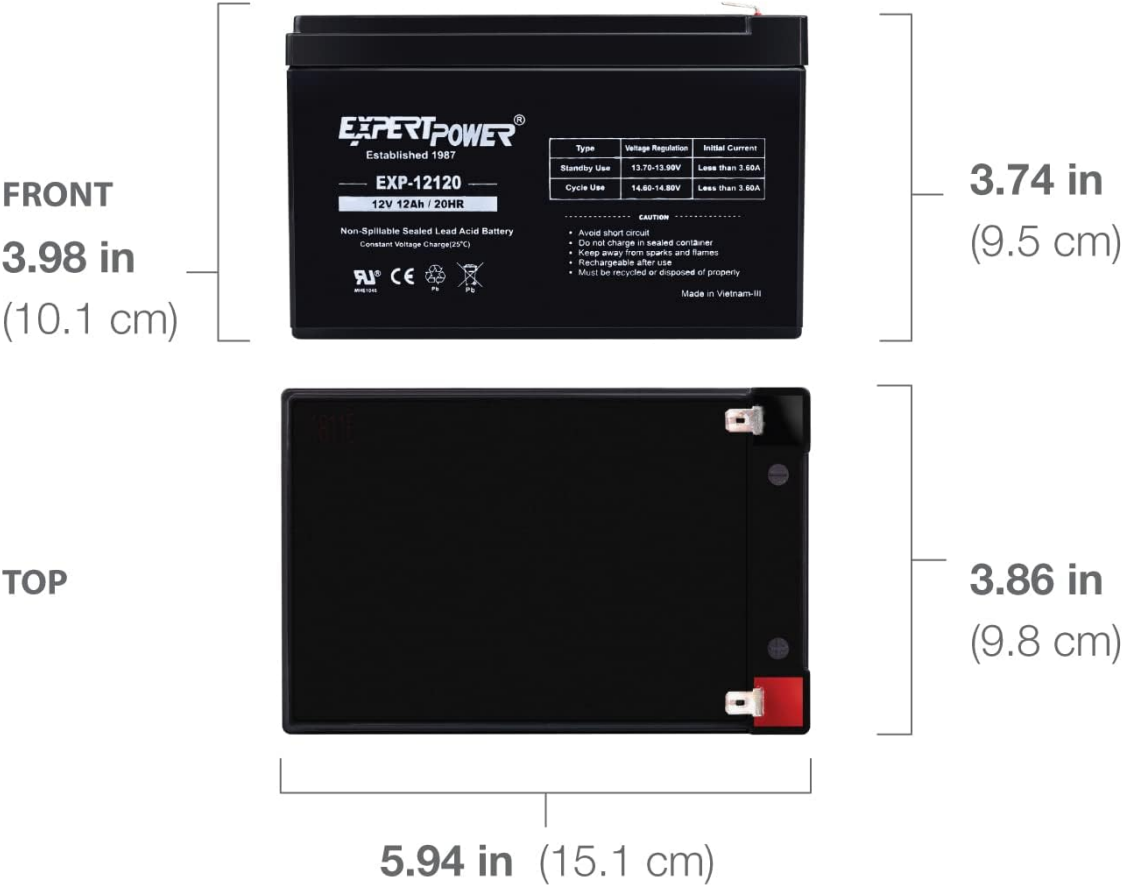


Image: Detailed view of the battery's dimensions: 5.94 inches (15.1 cm) length, 3.86 inches (9.8 cm) width, and 3.98 inches (10.1 cm) total height including terminals.

Tech Specifications

MODEL NUMBER

EXP12120

12 Volt 12 Amp Hour



7.94 lbs

3.6 kg



12 Volt

144 Watt Hour



12 AH

20 HR



F2 Type

Terminal



Image: Technical specifications for the EXP12120 model, including 12 Volt, 144 Watt Hour, 12 Ah, 20 HR, and F2 Type Terminals.

SETUP INSTRUCTIONS

The ExpertPower EXP12120 battery is designed for straightforward installation. Follow these general steps:

1. **Safety First:** Ensure the device is powered off and disconnected from any power source before beginning installation. Wear appropriate safety gear, such as gloves and eye protection.
2. **Locate Battery Compartment:** Identify the battery compartment in your device.
3. **Remove Old Battery (if applicable):** Carefully disconnect the terminals of the old battery, typically negative (black) first, then positive (red). Remove the old battery.
4. **Insert New Battery:** Place the ExpertPower EXP12120 battery into the compartment, ensuring it fits securely.
5. **Connect Terminals:** Connect the positive (red) terminal first, then the negative (black) terminal. Ensure connections are tight and secure. The F2 terminals are designed for easy slide-on connections.
6. **Secure Compartment:** Close and secure the battery compartment.



Image: A close-up showing the F2 terminals, designed for easy and secure connections.

OPERATING INSTRUCTIONS

To ensure optimal performance and longevity of your ExpertPower EXP12120 battery, adhere to the following operating guidelines:

- **Initial Charge:** It is recommended to fully charge the battery before its first use.
- **Regular Charging:** For devices with regular use, charge the battery immediately after each use to maintain its health and extend its lifespan. Avoid leaving the battery in a discharged state for extended periods.
- **Appropriate Charger:** Use a charger specifically designed for 12V Sealed Lead Acid (SLA) batteries. Refer to your device's manual for charger specifications.
- **Avoid Over-Discharge:** Do not completely drain the battery. Deep discharges can significantly reduce battery life.
- **Temperature Considerations:** Operate the battery within recommended temperature ranges. Extreme temperatures can affect performance and lifespan.

MAINTENANCE

The ExpertPower EXP12120 is a maintenance-free battery, meaning it does not require water topping. However, proper care is essential for maximizing its lifespan:

- **Keep Clean:** Periodically inspect the battery and terminals for dirt, corrosion, or loose connections. Clean terminals with a wire brush if necessary and ensure they are dry before reconnecting.
- **Regular Charging:** As mentioned in operating instructions, consistent charging after use is the most critical maintenance step.
- **Proper Storage:** If storing the battery for an extended period, ensure it is fully charged. Store in a cool, dry place, away from direct sunlight and extreme temperatures. Recharge every 3-6 months to prevent self-discharge and maintain capacity. For example, if used in outdoor equipment, consider bringing it indoors during winter months to prevent cold-related issues.
- **Avoid Physical Damage:** Protect the battery from impacts, drops, and excessive vibration.

TROUBLESHOOTING

If you encounter issues with your ExpertPower EXP12120 battery, consider the following:

- **Battery Not Holding Charge:**
 - Ensure the charger is functioning correctly and is compatible with 12V SLA batteries.
 - Check for proper terminal connections; loose connections can prevent charging.
 - Verify the battery is not over-discharged. Some chargers may not detect severely discharged batteries.
 - Consider the age of the battery. All batteries have a finite lifespan.
- **Reduced Runtime:**
 - Ensure the battery is fully charged before use.
 - Check for excessive load on the device, which can drain the battery faster.
 - Environmental factors like extreme cold can temporarily reduce battery capacity.
- **Device Not Powering On:**
 - Confirm the battery is properly connected and fully charged.
 - Inspect the device's wiring and fuses for any issues.

For persistent issues or complex diagnostics, contact ExpertPower customer support or a qualified technician.

SAFETY INFORMATION

Observe the following safety precautions when handling and using your ExpertPower EXP12120 battery:

- **Avoid Short Circuit:** Do not allow metal objects to bridge the battery terminals, as this can cause a short circuit, leading to heat, sparks, and potential injury or fire.
- **Ventilation:** Do not charge the battery in a sealed container or unventilated area. Although AGM batteries are sealed, proper ventilation is always recommended during charging.
- **Keep Away from Heat and Flames:** Store and operate the battery away from direct heat sources, sparks, and open flames.
- **Recharge After Use:** Always recharge the battery promptly after use to prevent deep discharge and maintain battery health.
- **Proper Disposal:** Batteries must be recycled or disposed of properly according to local regulations. Do not dispose of batteries in household waste.

- **Eye and Skin Protection:** Wear appropriate eye protection and gloves when handling batteries to protect against accidental contact with battery acid, although AGM batteries are designed to be spill-proof.

WARRANTY AND SUPPORT

ExpertPower provides technical support for its products. For warranty claims, please note the following:

- **Amazon Purchases:** If purchased directly from Amazon Services LLC, Amazon typically handles replacements within 30 days.
- **Manufacturer Warranty:** The manufacturer's warranty typically applies after the initial Amazon return period (e.g., after 90 days). Direct replacement from the manufacturer may require specific conditions and technical troubleshooting.
- **Technical Support:** For technical assistance, troubleshooting, or warranty inquiries, please contact ExpertPower customer service. Be prepared to provide your model number, charger specifications, application details (make and model of the device), and voltage readings if requested.

For further assistance, visit the official ExpertPower website or contact their customer support channels.