

[Manuals.plus](#) /

› [ExpertPower](#) /

› ExpertPower EXP12200 12V 20Ah SLA Rechargeable Battery User Manual

## ExpertPower EXP12200

# ExpertPower EXP12200 12V 20Ah SLA Rechargeable Battery User Manual

## 1. INTRODUCTION

---

Thank you for choosing the ExpertPower EXP12200 12V 20Ah Sealed Lead Acid (SLA) rechargeable battery. This battery is designed with Absorbed Glass Mat (AGM) technology, providing reliable performance across various temperatures. Its maintenance-free design and spill-resistant properties make it suitable for both standby and active-duty power needs. This manual provides essential information for the safe and effective use of your battery.



Figure 1: ExpertPower EXP12200 12V 20Ah SLA Rechargeable Battery. This image shows the front view of the battery with the ExpertPower logo and model number clearly visible.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the battery. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses) when working with batteries.
- **Ventilation:** Ensure adequate ventilation when charging or discharging batteries to prevent the accumulation of explosive gases.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals. This can cause severe burns, fire, or explosion. Keep metal objects away from the terminals.
- **Proper Handling:** Handle the battery with care. Do not drop or subject it to severe impacts.
- **Charging:** Use only chargers specifically designed for 12V Sealed Lead Acid (SLA) batteries. Overcharging

can damage the battery and pose a safety risk.

- **Temperature:** Operate and store the battery within recommended temperature ranges to ensure optimal performance and safety.
- **Disposal:** Dispose of old or damaged batteries according to local regulations. Do not incinerate batteries.
- **Children and Pets:** Keep batteries out of reach of children and pets.

## 3. SETUP

---

### 3.1 Unpacking

Carefully remove the ExpertPower EXP12200 battery from its packaging. Inspect the battery for any signs of damage during transit. If any damage is observed, do not use the battery and contact customer support immediately.

### 3.2 Initial Charge

While the battery may arrive with a partial charge, it is recommended to fully charge the battery before its first use to ensure maximum capacity and lifespan. Refer to your charger's instructions for proper charging procedures. Ensure the charger is compatible with 12V SLA batteries.

### 3.3 Terminal Connection

The EXP12200 battery features NB (Nut & Bolt) terminals. Use the provided M5-0.8 hex bolts, split washers, and flat washers to secure your device's cables to the battery terminals. Ensure connections are tight and secure to prevent arcing and ensure efficient power transfer. Connect the positive (+) cable to the positive terminal and the negative (-) cable to the negative terminal.



Figure 2: Close-up view of the NB (Nut & Bolt) terminal on the ExpertPower battery, showing the connection point for cables.

## 4. OPERATING INSTRUCTIONS

---

The ExpertPower EXP12200 battery is designed for a wide range of applications. Always ensure that the device you are powering is compatible with a 12V 20Ah power source.

### 4.1 Typical Applications

- **Uninterruptible Power Supply (UPS):** Provides backup power for electronic devices during outages.
- **Ride-on Toys:** Suitable as a replacement battery for various children's ride-on vehicles.
- **Lawn Mowers & Garden Equipment:** Powers electric start systems or other battery-dependent functions.
- **Generators:** Used for starting and maintaining generator functions.
- **Medical Devices:** Provides reliable power for certain portable medical equipment.
- **Wheelchairs & Mobility Scooters:** Ideal for powering personal mobility devices.
- **Fish Finders & Trail Cameras:** Powers outdoor recreational and surveillance equipment.

For specific device integration, consult the instruction manual of the equipment you intend to power with this battery.

## 5. MAINTENANCE

The ExpertPower EXP12200 is a Sealed Lead Acid (SLA) battery, featuring a maintenance-free design. This means it does not require routine water additions or electrolyte checks.

- **Cleaning:** Keep the battery terminals and casing clean and free from dirt or corrosion. Use a dry cloth for cleaning. If corrosion is present, disconnect the battery and clean terminals with a wire brush and a baking soda solution, then rinse with water and dry thoroughly.
- **Connection Checks:** Periodically check that all terminal connections are tight and secure. Loose connections can lead to power loss and heat buildup.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Recharge the battery every 3-6 months to prevent deep discharge, which can shorten its lifespan.
- **Avoid Deep Discharge:** Do not allow the battery to completely discharge. Repeated deep discharges can significantly reduce battery life.

## 6. TROUBLESHOOTING

If you encounter issues with your ExpertPower EXP12200 battery, consider the following common troubleshooting steps:

- **Battery Not Holding Charge:**
  - Ensure your charger is functioning correctly and is compatible with 12V SLA batteries.
  - Check for loose or corroded terminal connections.
  - The battery may have reached the end of its service life, especially if it has undergone numerous deep discharge cycles.
- **Device Not Powering On:**
  - Verify the battery is fully charged.
  - Check all connections between the battery and the device for tightness and proper polarity.
  - Confirm the device's power requirements match the battery's output (12V).
  - Inspect the device's fuse, if applicable.
- **Overheating During Charge/Discharge:**
  - Ensure adequate ventilation around the battery and charger.
  - Verify the charger is not overcharging the battery (check voltage settings).
  - Loose connections can cause resistance and heat; check all terminal connections.

If these steps do not resolve the issue, please contact ExpertPower customer support for further assistance.

## 7. SPECIFICATIONS

Detailed technical specifications for the ExpertPower EXP12200 12V 20Ah SLA Rechargeable Battery:

| Feature      | Specification |
|--------------|---------------|
| Model Number | EXP12200      |

| Feature                        | Specification                                      |
|--------------------------------|----------------------------------------------------|
| Voltage                        | 12 Volts                                           |
| Amperage                       | 20 Amps                                            |
| Battery Capacity               | 20 Amp Hours                                       |
| Battery Cell Composition       | Lead Acid (AGM)                                    |
| Reusability                    | Rechargeable                                       |
| Item Dimensions (L x W x H)    | 7.13" x 3.03" x 6.57" (18.1 cm x 7.7 cm x 16.7 cm) |
| Item Weight                    | 11.9 lbs (5.4 kg)                                  |
| Terminal Type                  | NB (Nut & Bolt)                                    |
| External Testing Certification | DOT Certified                                      |

# Size & Dimensions

## 12V 20AH SLA Battery

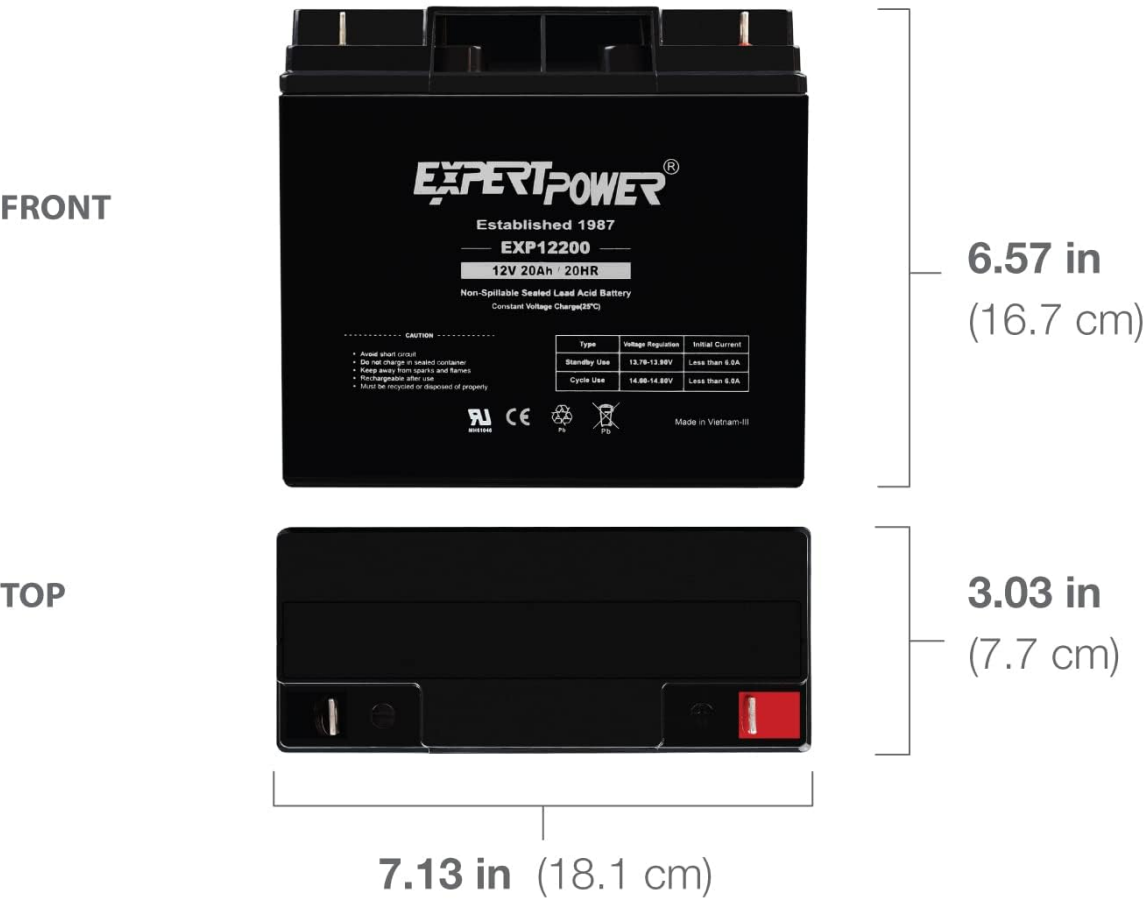


Figure 3: Dimensions of the ExpertPower EXP12200 battery, showing length, width, and height in inches and centimeters.

# Tech Specifications

MODEL NUMBER  
**EXP12200**  
12 Volt 20 Amp Hour



**11.9 lbs**  
5.4 kg



**12 Volt**  
240 Watt Hour



**20 AH**  
20 HR



**NB ( Nut & Bolt )**  
Terminals

Figure 4: Technical specifications overview for the ExpertPower EXP12200, including weight, voltage, watt-hour, and amp-hour ratings.

# Proven Quality. Tested Standards.



## Quality

ISO 14001: 2015



## Health & Safety

ISO 18001:2004



## Environmental

ISO 9001:2015



Figure 5: Quality and safety certifications for ExpertPower batteries, including ISO standards and UL recognition.

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The ExpertPower EXP12200 battery comes with a **90-Day Money Back Guarantee** and a **1-Year Limited Warranty**.

- Items returned within 90 days of purchase are eligible for a full refund.
- Items returned after 90 days are eligible only for replacement or repair.
- The warranty is applicable for damaged or defective items. It does not cover purchase error, poor handling, or customer damages.
- Items returned for reasons not covered within the warranty are subject to a minimum 15% restocking fee.

### 8.2 Customer Support

For any questions, technical assistance, or warranty claims, please visit the official ExpertPower website or contact

their customer service department. Refer to your purchase documentation for specific contact details.