

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [ExpertPower](#) /
- › [ExpertPower 12V 200AH Gel Deep Cycle Battery User Manual](#)

ExpertPower 12V 200AH GEL

ExpertPower 12V 200AH Gel Deep Cycle Battery User Manual

Model: 12V 200AH GEL

INTRODUCTION



Image: The ExpertPower 12V 200AH Gel Deep Cycle Battery, a sealed, maintenance-free power solution.

This manual provides essential information for the safe and efficient use of your ExpertPower 12V 200AH Gel Deep Cycle Battery. This rechargeable, maintenance-free gel battery is designed for deep cycling applications such as solar energy storage, UPS systems, wheelchairs, and trolling motors. Please read these instructions carefully before installation and operation.

The ExpertPower 12V 200AH Gel Deep Cycle Battery offers robust performance with features like vibration resistance, low self-discharge, and a long cycle life. It is a sealed, non-spillable battery, ensuring safe operation in various environments.

SAFETY INFORMATION

WARNING:

- Always wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, when handling batteries.
- Do not short-circuit the battery terminals. This can cause severe burns, fire, or explosion.

- Keep the battery away from open flames, sparks, and heat sources.
- Do not disassemble, puncture, or damage the battery.
- Ensure proper ventilation when charging to prevent accumulation of gases, although gel batteries produce minimal gas.
- Keep out of reach of children.
- In case of contact with battery acid (electrolyte), flush immediately with water and seek medical attention.
- Dispose of batteries according to local regulations. Do not dispose of in household waste.

SETUP AND INSTALLATION

Unpacking and Inspection

Upon receiving your ExpertPower battery, carefully unpack it and inspect for any signs of damage during transit. If any damage is observed, contact your supplier immediately.

Physical Dimensions

The battery dimensions are 20.55 inches (522 mm) in length, 9.41 inches (239 mm) in width, and 8.54 inches (217 mm) in height (total height 8.74 inches or 222 mm including terminals). Ensure adequate space for installation and ventilation.

COMPACT SIZE



Excellent deep discharge recovery capability

Image: ExpertPower 12V 200AH Gel Deep Cycle Battery showing its compact size and precise dimensions in millimeters and inches.

Mounting

This sealed gel battery can be mounted in various positions, including upright or sideways. However, it is not recommended to use it upside down. Ensure the mounting location is stable, dry, and has sufficient ventilation.

Terminal Connection

The battery is equipped with M8 threaded insert terminals. Use the included nuts, bolts, and washers for secure connections. Ensure all connections are tight to prevent resistance and overheating.

SILVER PLATED COPPER TERMINAL

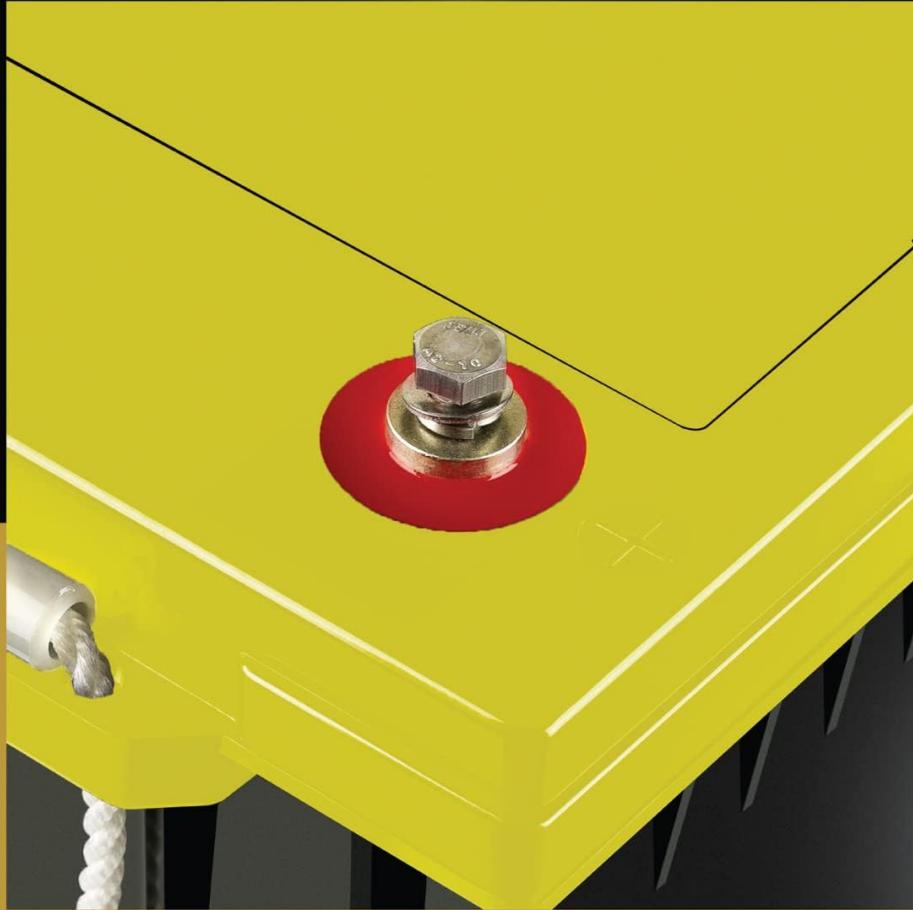


Image: Close-up view of the silver-plated copper terminal on the ExpertPower battery, highlighting the M8 threaded insert for secure connections.

The battery features silver-plated copper terminals for optimal conductivity and corrosion resistance.

Initial Charge

Although batteries typically arrive with some charge, it is recommended to fully charge the battery before its first use to ensure maximum performance and lifespan. Use a gel-compatible charger with a maximum charging current of 40A.

OPERATING INSTRUCTIONS

Charging Recommendations

For optimal performance and to extend the battery's lifespan, use a charger specifically designed for gel batteries. The recommended charging voltage is 12V, and the maximum charging amperage should not exceed 40A. Ensure your charger has a gel battery charging profile.

- **Standby Use:** Voltage Regulation 13.6-13.8V, Initial Current Less Than 60A.
- **Cycle Use:** Voltage Regulation 14.5-14.9V, Initial Current Less Than 60A.

Depth of Discharge (DOD)

To maximize the battery's cycle life, it is recommended to recharge the battery when it reaches a 50% Depth of Discharge (DOD). This practice helps maintain battery health and longevity. The battery is designed to achieve 500-700 cycles with an 80% DOD.

Good Endurance Cycle Capability And Good Recovery Performance After Deep Cycle Use



Long service life, good deep discharging cycle capability

Image: Diagram illustrating the ExpertPower Gel Battery's excellent endurance cycle capability and recovery performance after deep cycle use, emphasizing long service life.

Discharge Performance

The ExpertPower gel battery provides excellent discharge performance, making it suitable for demanding applications. Its robust design ensures consistent power delivery.

EXCELLENT DISCHARGE PERFORMANCE



127.87 lbs
60.2 kg



12 Volt



200 AH
10 HR

Image: ExpertPower Gel Deep Cycle Battery highlighting its excellent discharge performance, with voltage regulation and initial current specifications for both standby and cycle use.

Low Self-Discharge Rate

Gel batteries, including this model, exhibit a low self-discharge rate, typically less than 1% per month. This means the battery retains its charge for longer periods when not in use compared to other battery types.

LOW SELF-DISCHARGE RATE



GEL Battery



Flooded Battery

The self-discharge of gel batteries is less than 1%/month

Image: Visual comparison demonstrating the low self-discharge rate of a gel battery versus a flooded battery, indicating superior charge retention for the gel type.

MAINTENANCE

Maintenance-Free Design

The ExpertPower 12V 200AH Gel Deep Cycle Battery is a sealed, maintenance-free unit. This means there is no need for water refilling or acid pack additions. Its sealed construction also prevents gas emissions under normal operating conditions.

12V 200AH SEALED LEAD ACID BATTERY

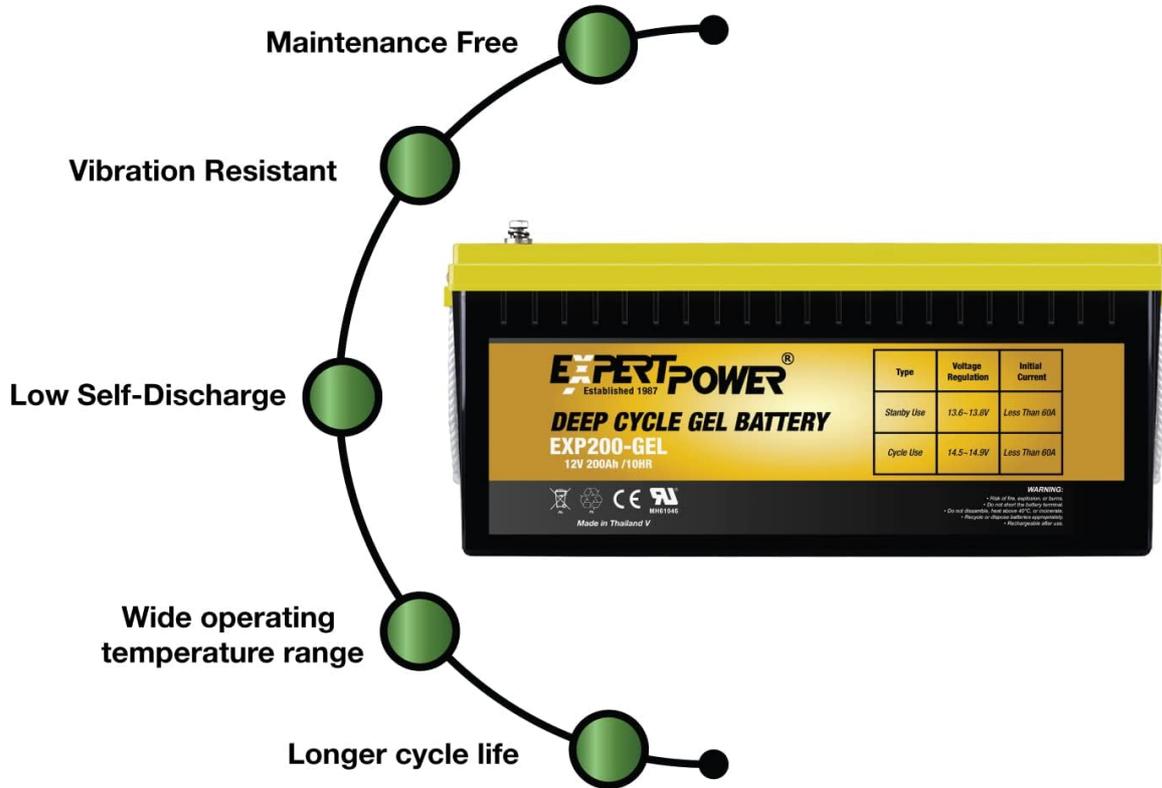


Image: Diagram highlighting key features of the ExpertPower 12V 200AH Sealed Lead Acid Battery, including maintenance-free operation, vibration resistance, low self-discharge, wide operating temperature range, and longer cycle life.

Cleaning

Keep the battery terminals and casing clean and free from dirt or corrosion. Use a damp cloth to wipe the exterior. Do not use solvents or harsh chemicals.

Storage

If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Periodically check the voltage and recharge if necessary to prevent deep discharge, which can reduce battery life.

TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Battery not holding charge	Incorrect charging voltage/current, charger malfunction, battery sulfation (unlikely for gel but possible with extreme neglect), end of life.	Verify charger settings and functionality. Ensure charger is gel-compatible. If battery is old, consider replacement.
Low power output	Battery not fully charged, loose or corroded terminals, undersized wiring, excessive load.	Fully charge the battery. Clean and tighten all terminal connections. Check wiring gauge for adequacy. Reduce load if possible.
Battery overheating during charge	Overcharging (too high voltage/current), poor ventilation, internal short circuit.	Immediately disconnect charger. Verify charger settings are correct for gel batteries. Ensure adequate ventilation. If problem persists, discontinue use and contact support.
Battery not charging at all	Charger not connected, faulty charger, blown fuse in charging circuit, deeply discharged battery.	Check all connections. Test charger with another battery if possible. Inspect fuses. A deeply discharged gel battery may require a specialized recovery charge, or it might be permanently damaged.

If you encounter issues not listed here or if troubleshooting steps do not resolve the problem, please contact ExpertPower customer support.

SPECIFICATIONS

Feature	Detail
Model	12V 200AH GEL
Type	VRLA GEL Deep Cycle Maintenance-Free Battery
Voltage	12 Volts
Capacity	200 Amp Hours (10HR)
Product Dimensions (L x W x H)	20.55 in x 9.41 in x 8.54 in (522 mm x 239 mm x 217 mm)
Total Height (with terminals)	8.74 in (222 mm)
Item Weight	127.9 pounds (60.2 kg)
Terminals	M8 Threaded Insert, 8mm Stud, Silver Plated Copper
Battery Cell Composition	Lead Acid (Gel Electrolyte)
Max Charging Current	40A
Cycle Life	500-700 cycles at 80% Depth of Discharge
Self-Discharge Rate	Less than 1% per month

Feature	Detail
ASIN	B0B8TTMS9B
UPC	840140947960

EXCELLENT DISCHARGE PERFORMANCE



127.87 lbs
60.2 kg



12 Volt



200 AH
10 HR

Image: ExpertPower Gel Deep Cycle Battery highlighting its excellent discharge performance, with voltage regulation and initial current specifications for both standby and cycle use.

WARRANTY AND SUPPORT

Warranty Information

ExpertPower provides a **90-day refund policy** and a **1-year warranty** for this battery. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or any questions regarding your ExpertPower battery, please visit the official ExpertPower Store or contact customer service through the retailer where the product was purchased.

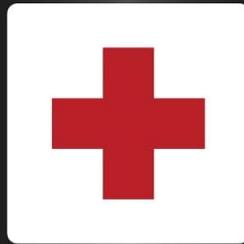
You can visit the ExpertPower Store online: [ExpertPower Store](#)

Proven Quality. Tested Standards.



Quality

ISO 14001: 2015



Health & Safety

ISO 18001:2004



Environmental

ISO 9001:2015



UL Recognized

Image: Icons representing quality, health & safety, and environmental certifications (ISO 14001, ISO 18001, ISO 9001), along with UL Certified and UL Recognized marks, indicating proven quality and tested standards.

ADDITIONAL RESOURCES

Product Overview Video

Your browser does not support the video tag.

Video: An overview of the ExpertPower 12V 200AH Gel Deep Cycle Battery, showcasing its features and applications.

(Duration: 0:58)

Installation and Usage Tips Video

Your browser does not support the video tag.

Video: A guide providing tips for the installation and optimal usage of the ExpertPower Gel Deep Cycle Battery. (Duration: 1:17)