XS Power D3400

XS Power D3400 XS Series 12V 3,300 Amp AGM High Output Battery User Manual

1. Introduction

Thank you for choosing the XS Power D3400 XS Series 12V 3,300 Amp AGM High Output Battery. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new battery. Please read this manual thoroughly before use and retain it for future reference.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the battery and vehicle.

- **Eye Protection:** Always wear appropriate eye protection when working with batteries.
- **Ventilation:** Ensure adequate ventilation when charging or operating batteries to prevent accumulation of explosive gases.
- **Flammable Materials:** Keep sparks, flames, and smoking materials away from the battery.
- **Short Circuits:** Avoid short-circuiting battery terminals. Use insulated tools.
- **Handling:** Batteries are heavy. Use proper lifting techniques or assistance to prevent injury.
- **Disposal:** Dispose of batteries according to local regulations. Do not incinerate.
- **Chemical Hazard:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.



Image: Top view of the XS Power D3400 battery, showing the warning labels and terminal connections. Note the DANGER/POISON warning regarding sulfuric acid and explosive gases.

3. Product Overview

The XS Power D3400 is a high-performance Absorbed Glass Mat (AGM) battery designed for demanding applications, including competition car audio and various racing environments. Its robust construction and advanced chemistry provide reliable power output.

Key Features:

- **Voltage:** 12 Volt
- **Cold Cranking Amps (CA):** 1000
- **Amp Hours (Ah):** 65 (80 Amp Hours capacity)
- **Max Amps:** 3300
- **Technology:** Absorbed Glass Mat (AGM) for spill-proof, sealed, valve-regulated, and vibration-resistant performance.
- **Internal Resistance:** Ultra-low for efficient power delivery.
- **Mounting:** Can be mounted in almost any position.



Image: Front view of the XS Power D3400 battery, showcasing the XS Power branding and D3400 model designation.

4. Setup and Installation

Proper installation is crucial for the performance and longevity of your XS Power D3400 battery.

4.1 Pre-Installation Check

- Inspect the battery for any signs of damage during shipping.
- Ensure the battery voltage is appropriate for your application (12V).
- Verify that the battery dimensions (11"D x 12"W x 9"H) fit your intended mounting location.

4.2 Mounting

The D3400 AGM battery can be mounted in various positions due to its spill-proof design. Secure the battery firmly to prevent movement and vibration, which can cause damage.

4.3 Terminal Connections

The battery features M6 terminal bolts for secure connections. It does not come with traditional battery posts, allowing for direct connection of ring terminals or specialized battery terminals.

- Clean all cable terminals and battery posts thoroughly before connection.
- Connect the positive (+) cable first, then the negative (-) cable.
- Ensure all connections are tight and secure to prevent arcing and power loss.

- If replacing a battery with top-mounted posts, remove your existing cable terminals from the old posts and connect them directly to the M6 bolts on the XS Power battery.



Image: Top view of the XS Power D3400 battery, highlighting the M6 terminal bolt connections for direct wiring.



Image: Angled view of the XS Power D3400 battery, showing the included M6 terminal bolts for connection.

5. Operating Instructions

The XS Power D3400 battery is designed for high-output applications. Once properly installed and charged, it will provide reliable power for your vehicle or audio system.

- **Initial Charge:** It is recommended to fully charge the battery before its first use to ensure maximum performance and lifespan.
- **System Compatibility:** Ensure your vehicle's charging system (alternator) is capable of maintaining the battery's charge, especially with high-demand accessories.
- **Deep Cycle Use:** While this battery is robust, frequent deep discharges can reduce its overall lifespan. Avoid completely draining the battery whenever possible.

6. Maintenance

Proper maintenance will extend the life and performance of your XS Power D3400 battery.

6.1 Charging

Proper charging is critical for AGM batteries. Use an AGM-compatible battery charger. These chargers are specifically designed to deliver a maximum of 2.4 volts per cell.

- **AGM Charger:** Always use a charger specifically designed for AGM batteries. Standard lead-acid chargers

may overcharge or undercharge, leading to damage.

- **Voltage Regulation:** Ensure the charger maintains proper voltage. Overcharging can cause gassing and permanent capacity reduction.
- **Temperature:** Battery charging performance is affected by temperature. Charge in a well-ventilated area at moderate temperatures.
- **Avoid Deep Discharge:** Do not allow the battery to remain in a deeply discharged state for extended periods. Recharge promptly after use.

6.2 Cleaning

- Keep the battery terminals and top clean and free of dirt or corrosion.
- Use a mixture of baking soda and water to clean corrosion, then rinse with clean water and dry thoroughly.

6.3 Storage

- If storing the battery for an extended period, ensure it is fully charged.
- Store in a cool, dry place.
- Periodically check the voltage and recharge if it drops below 12.6V.

7. Troubleshooting

This section addresses common issues you might encounter with your XS Power D3400 battery.

Problem	Possible Cause	Solution
Battery not holding charge	Improper charging, parasitic draw, battery age, internal damage	Ensure proper AGM charging. Check for parasitic draws with a multimeter. If battery is old, consider replacement.
Dimming lights/accessories	Low battery charge, insufficient alternator output, loose connections	Charge battery fully. Inspect alternator for proper function. Tighten all battery and system connections.
Battery not charging	Faulty charger, damaged battery, poor connections	Test charger. Inspect battery for physical damage. Verify all connections are clean and tight.
Corrosion on terminals	Chemical reaction, loose connections	Clean terminals with baking soda solution and wire brush. Ensure connections are tight.

8. Specifications

Brand	XS Power
Model	D3400
Voltage	12 Volts
Battery Capacity	80 Amp Hours (Ah)

Cold Cranking Amps (CA)	1000
Max Amps	3300
Terminal Type	M6
Number of Cells	6
Battery Cell Composition	Lead-Acid, AGM
Product Dimensions (D x W x H)	11" x 12" x 9"
Item Weight	48 Pounds
Vehicle Service Type	Boat, Passenger Car (Universal Fit)

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official XS Power website. Keep your proof of purchase for any warranty claims.

Important Note: Improper charging, deep discharge, or physical damage may void your battery's warranty. Always follow the maintenance guidelines provided in this manual.