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XS Power D1400

XS Power D1400 14V AGM Battery User Manual

Model: D1400 | Brand: XS Power

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1. Introduction

This manual provides essential information for the safe and effective use of your XS Power D1400 14V AGM Battery. Please read all instructions carefully before installation and operation. The XS Power D1400 is a high-performance Absorbed Glass Mat (AGM) battery designed for demanding automotive and audio applications, offering reliable power and durability.



Figure 1: XS Power D1400 14V AGM Battery, front view.

2. Safety Information

WARNING: BATTERIES CONTAIN SULFURIC ACID AND CAN PRODUCE EXPLOSIVE GASES. IMPROPER HANDLING CAN CAUSE SEVERE INJURY OR DEATH.

- Always wear eye protection and protective clothing when handling batteries.
- Do not smoke or allow open flames or sparks near the battery.
- Ensure adequate ventilation during charging and operation.
- Keep out of reach of children.
- In case of contact with eyes, flush immediately with water and seek medical attention.
- Do not short-circuit battery terminals.
- Refer to local regulations for proper battery disposal.

3. Setup and Installation

3.1 Unpacking

Carefully remove the battery from its packaging. Inspect for any signs of damage. The package should include the D1400 battery and 580 & M6 terminal hardware.



Figure 2: XS Power D1400 Battery with included terminal hardware.

3.2 Mounting

The D1400 AGM battery is spill-proof and can be mounted in almost any position. Ensure the mounting location is secure, well-ventilated, and protected from extreme heat or direct engine exhaust. Use appropriate battery hold-downs to prevent movement.



Figure 3: Side view of the XS Power D1400 battery, showing its robust casing.

3.3 Electrical Connections

Connect the battery terminals using the provided 580 & M6 terminal hardware. Ensure connections are clean, tight, and free of corrosion. Connect the positive (+) terminal first, then the negative (-) terminal. Reverse this order when disconnecting.

IMPORTANT: Verify correct polarity before making final connections to avoid damage to the battery or vehicle electrical system.



Figure 4: Top view of the XS Power D1400 battery, showing terminal layout and warning labels.

4. Operating Instructions

4.1 Initial Charge

While XS Power batteries are typically shipped with a partial charge, it is recommended to fully charge the battery before its first use to ensure maximum performance and lifespan. Use a smart charger compatible with AGM batteries.

4.2 Charging Voltage

For optimal performance and longevity, maintain a charging voltage between 14.0V and 14.7V. Avoid overcharging or undercharging, as this can reduce battery life.

4.3 Deep Cycle Applications

The D1400 is a deep cycle AGM battery, suitable for applications requiring sustained power draw, such as large stereo systems or auxiliary vehicle electronics. It is designed to withstand repeated deep discharges and recharges.

5. Maintenance

5.1 Cleaning Terminals

Regularly inspect battery terminals for corrosion. Clean terminals with a wire brush and a mixture of baking soda and water if corrosion is present. Rinse with clean water and dry thoroughly. Apply a thin coat of dielectric grease to prevent future corrosion.

5.2 Battery 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 it drops below 12.5V to prevent sulfation.

5.3 Inspection

Periodically inspect the battery casing for any cracks, bulges, or leaks. If any damage is observed, discontinue use and replace the battery.

6. Troubleshooting

Troubleshooting Guide

Problem	Possible Cause	Solution
Battery not holding charge	Undercharging, sulfation, internal damage	Ensure proper charging voltage, use an AGM-compatible charger, inspect for damage.
Low voltage output	Discharged battery, loose/corroded connections	Recharge battery, clean and tighten terminals.
Battery overheating during charge	Overcharging, faulty charger	Check charger settings, replace faulty charger.

If issues persist after following these steps, contact XS Power customer support.

7. Specifications (XS Power D1400)

Model: D1400

Brand: XS Power

Voltage: 14 Volts

Battery Cell Composition: Lead-Acid, AGM

Battery Capacity (Ah): 56 Amp Hours

Max Amps: 2400 Ampere

Cranking Amps (CA @ 32°F): 675 Ampere

Reserve Capacity (RC): 85 minutes

BCI Group: 34

Item Weight: 43.2 pounds

Product Dimensions: 8.16 x 11.7 x 10.72 inches

UPC: 692209015048



Figure 5: Detailed label of the XS Power D1400 battery, showing key specifications.

8. Warranty & Support

8.1 Warranty Information

XS Power offers an unbeatable warranty for their products. While specific terms may vary, they generally provide a no-hassle, free replacement warranty for manufacturing defects. For detailed warranty terms and conditions, please refer to the official XS Power website or contact their customer service.

Note: Purchases from unauthorized sellers may void your product protection. Always purchase from an authorized dealer.

8.2 Customer Support

For technical assistance, product inquiries, or warranty claims, please visit the official XS Power website at xspower.com or contact their customer support directly. They also provide an OEM application guide on their website to help you find the exact replacement for your vehicle.

9. Official Product Videos

XS POWER BATTERIES - 6 Reasons Why they are THE BEST!

Your browser does not support the video tag.

This video from a vendor highlights the top reasons to choose XS Power Batteries, covering aspects like quality, selection, warranty, event support, innovation, and company maturity. It also provides a brief overview of popular models like the D3400, D3100, and XP3000, including their dimensions and typical applications.

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