XS Power D4700

XS Power D4700 AGM Battery User Manual

Model: D4700

Introduction

This manual provides essential instructions for the safe and effective use, installation, and maintenance of your XS Power D4700 AGM Battery. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of the product.
The XS Power D4700 is a 12-volt, 62Ah, 760CA Deep Cycle AGM Powercell designed for car audio systems and performance vehicles. It features M6 terminal hardware.

Safety Information

WARNING: Batteries contain sulfuric acid and produce explosive gases. Improper handling can cause severe injury or death. Always wear eye protection and gloves when working with batteries.

- Keep batteries away from open flames, sparks, and smoking materials.
- Ensure adequate ventilation when charging or operating batteries.
- Avoid short-circuiting battery terminals.
- Do not attempt to open or modify the battery.
- In case of contact with acid, flush immediately with water and seek medical attention.
- Always disconnect the negative terminal first when removing a battery and connect it last when installing.

Setup and Installation

The XS Power D4700 is an Absorbed Glass Mat (AGM) battery, which means it is non-spillable and can be mounted in various positions. However, proper installation is crucial for performance and safety.

Unpacking and Inspection

Upon receiving your D4700 battery, carefully inspect the packaging for any signs of damage. Remove the battery and check for cracks, leaks, or damaged terminals. If any damage is observed, do not install the battery and contact your

vendor immediately.

Tools Required

- Wrench set (for M6 terminal hardware)
- Battery terminal cleaner
- Wire brush
- Corrosion preventative spray (optional)
- Safety glasses and gloves

Installation Steps

1. **Preparation:** Ensure the vehicle's ignition is off and all accessories are disconnected. Locate the existing battery.
2. **Disconnect Old Battery:** Using the appropriate wrench, disconnect the negative (-) terminal first, followed by the positive (+) terminal. Remove any hold-down clamps.
3. **Remove Old Battery:** Carefully lift and remove the old battery. Batteries are heavy; use proper lifting techniques or assistance.
4. **Clean Battery Tray and Cables:** Clean the battery tray and terminal clamps using a wire brush and battery terminal cleaner to remove any corrosion or debris.
5. **Position New Battery:** Place the XS Power D4700 battery into the battery tray. Ensure it is securely seated and will not move during vehicle operation.
6. **Connect New Battery:** Connect the positive (+) terminal first, then the negative (-) terminal. Ensure connections are tight but do not overtighten. The D4700 uses M6 terminal hardware.
7. **Secure Battery:** Install any hold-down clamps to secure the battery firmly in place.
8. **Final Check:** Double-check all connections for tightness and ensure no tools or debris are left near the battery.



Image: The XS Power D4700 AGM Battery, showing its top terminals and M6 hardware. This image illustrates the physical appearance of the battery and its connection points.

Operating Instructions

The XS Power D4700 is designed to provide reliable power for demanding applications. As an AGM battery, it requires minimal operational considerations beyond proper charging.

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 capacity and lifespan. Use a smart charger compatible with AGM batteries.

Charging Guidelines

- Use a charger specifically designed for AGM batteries.
- Recommended charging voltage: 14.4V - 14.8V.
- Avoid overcharging, as this can damage the battery.
- Do not allow the battery to deep discharge repeatedly, as this can shorten its lifespan.

Vehicle System Compatibility

Ensure your vehicle's charging system (alternator) is functioning correctly and provides adequate voltage for an AGM battery. An underperforming charging system can lead to premature battery failure.

Maintenance

AGM batteries like the D4700 are largely maintenance-free compared to traditional flooded batteries. However, some periodic checks are recommended.

Periodic Checks

- **Terminal Connections:** Periodically check that the terminal connections are clean, tight, and free of corrosion.
- **Battery Case:** Inspect the battery case for any signs of damage, cracks, or swelling.
- **Cleanliness:** Keep the top of the battery clean and dry to prevent self-discharge and corrosion.
- **Voltage Check:** If the vehicle is stored for extended periods, periodically check the battery voltage. If it drops below 12.4V, recharge it using an appropriate AGM charger.

Storage

If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Disconnect it from the vehicle to prevent parasitic drains. Periodically check the voltage and recharge as needed.

Troubleshooting

This section addresses common issues you might encounter with your D4700 battery.

Problem	Possible Cause	Solution
Battery not holding a charge	Faulty charging system (alternator) Parasitic drain in vehicle Battery sulfation due to deep discharge Internal battery fault	Test vehicle's charging system. Check for electrical components drawing power when the vehicle is off. Attempt a slow, controlled recharge with an AGM-specific charger. Contact XS Power support if issues persist.

Problem	Possible Cause	Solution
Slow cranking or dim lights	Low battery charge Corroded or loose terminal connections Battery nearing end of life	Charge the battery fully. Clean and tighten terminal connections. Have the battery tested by a professional.
Battery case appears swollen or cracked	Overcharging Internal damage	Immediately disconnect the battery. Do not attempt to use or charge. Contact XS Power support for replacement or disposal information.

Specifications

Detailed technical specifications for the XS Power D4700 AGM Battery.

- **Model:** D4700
- **Voltage:** 12 Volts
- **Amp Hours (Ah):** 62 Ah
- **Cranking Amps (CA):** 760 CA
- **Battery Type:** Absorbed Glass Mat (AGM) Deep Cycle Powercell
- **Terminal Type:** M6 Terminal Hardware
- **Weight:** Approximately 24.2 pounds (10.98 kg)
- **Dimensions (L x W x H):** Approximately 7 x 5.66 x 3.83 inches (17.78 x 14.38 x 9.73 cm)
- **Manufacturer Part Number:** D4700
- **UPC:** 810111132053

Warranty Information

XS Power products are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the official XS Power website or the warranty card included with your purchase. Keep your proof of purchase for warranty claims.
Note: Purchases from unauthorized sellers may void your product protection. Always purchase XS Power products from an authorized dealer.

Customer Support

For technical assistance, warranty claims, or further information regarding your XS Power D4700 battery, please contact XS Power customer support through their official website or authorized dealer network.
You can find more information and support resources by visiting theXS Power Store on Amazon.

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