XS Power D6500

XS Power D6500 AGM Battery User Manual

Model: D6500

Introduction and Overview

The XS Power D6500 is a high-performance 12V 86Ah 1100CA Deep Cycle AGM Powercell designed for car audio systems, electronics, and various automotive applications. This sealed, maintenance-free battery offers superior power density and durability, making it ideal for demanding environments.



Image: The XS Power D6500 AGM Battery, showcasing its compact design and M6 terminal hardware.

Key Features:

- **SMART AGM POWER TECHNOLOGY:** Features sealed, maintenance-free AGM technology for leak resistance and extended lifespan. Suitable for various Ford, Lincoln, and Mercury models, and high-energy accessories.
- **HIGH COLD CRANKING AMPS:** Offers 1100 cranking amps (CA) and 968 cold cranking amps (CCA) for reliable engine starts in extreme weather. Powers car audio systems, electronics, and high-demand devices.
- **SAFE AND BUILT TO LAST:** Sealed, leak-proof AGM design with M6 terminal hardware for easy installation. Backed by a 3-year warranty.
- **HIGH-CAPACITY POWER SPECS:** Provides 3800 max amps, 86 amp-hours (AH) capacity, and 174 minutes of reserve power. Operates seamlessly with secondary 3000W/4000W range systems.
- **LIGHTWEIGHT AND COMPACT SIZE:** Weighs 53.81 lbs with dimensions of 11.8" L x 6.80" H x 7.20" W, ensuring portability and versatility for aftermarket accessories like car audio systems, power inverters, or LED lights.

Setup and Installation

Proper installation is crucial for the performance and longevity of your XS Power D6500 battery. Always ensure safety

precautions are followed.

Safety Precautions:

- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle's ignition is off and all accessories are disconnected before beginning installation.
- Avoid short-circuiting the battery terminals.
- Work in a well-ventilated area.

Installation Steps:

1. **Preparation:** Ensure the battery tray is clean and free of debris. Verify the battery dimensions (11.8" L x 6.80" H x 7.20" W) fit your intended location.
2. **Terminal Connection:** Connect the positive (+) terminal first, followed by the negative (-) terminal. Use the provided M6 terminal hardware for a secure connection. Ensure all connections are tight to prevent arcing and power loss.
3. **Securing the Battery:** Secure the battery firmly in its tray using appropriate hold-down clamps to prevent movement during vehicle operation.
4. **Initial Charge (Optional):** While AGM batteries come pre-charged, a full charge before first use can optimize performance, especially if the battery has been stored for an extended period. Use a charger compatible with AGM batteries.



Image: Side view of the XS Power D6500 battery, showing its robust casing and terminal placement.

Operating Instructions

The XS Power D6500 AGM battery is designed for reliable power delivery in various applications, particularly high-demand car audio systems and vehicle electronics.

General Operation:

- This battery is suitable for both starting and deep cycle applications, providing consistent power for your vehicle's

electrical system and aftermarket accessories.

- The D6500's high cranking amps (1100 CA) ensure quick and reliable engine starts, even in cold conditions.
- Its 86 Ah capacity and 174 minutes of reserve capacity make it ideal for powering demanding audio systems, inverters, and other electronic components without significant voltage drop.



Image: A white sports car driving on a scenic road, illustrating the high-performance applications of the XS Power D6500 battery.

Maintenance

The XS Power D6500 is an Absorbed Glass Mat (AGM) battery, designed to be largely maintenance-free. Unlike traditional flooded batteries, it does not require water additions.

Recommended Maintenance Practices:

- **Keep Terminals Clean:** Periodically inspect the M6 terminals for corrosion. If corrosion is present, clean with a wire brush and a mixture of baking soda and water. Rinse with clean water and dry thoroughly.
- **Check Connections:** Ensure terminal connections remain tight to maintain optimal electrical contact.
- **Regular Charging:** If the battery is not in regular use, or if your vehicle has a high parasitic draw, consider using a smart charger designed for AGM batteries to maintain a full charge. Avoid deep discharges, as they can shorten battery life.
- **Storage:** When storing the battery for extended periods, ensure it is fully charged and stored in a cool, dry place. Disconnect it from the vehicle to prevent discharge.



Image: Top view of the XS Power D6500 battery, showing the sealed design and key specifications printed on the label.

Troubleshooting

If you encounter issues with your XS Power D6500 battery, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Battery not holding charge	Parasitic draw, faulty charging system, sulfation, end of life	Check for parasitic draws, inspect alternator/regulator, fully charge with an AGM-compatible charger, consider replacement if old.
Slow cranking or no start	Low battery voltage, loose/corroded terminals, faulty starter	Charge battery, clean and tighten terminals, test starter motor.
Lights dim or accessories not working	Low battery voltage, insufficient capacity for load	Charge battery, ensure total power draw does not exceed battery's capacity.
Battery swelling or overheating	Overcharging, internal short circuit	Immediately disconnect battery. This indicates a serious issue; battery should be replaced and charging system inspected by a professional.

If problems persist after attempting these solutions, consult a qualified automotive technician or contact XS Power customer support.

Specifications

Specification	Value
Brand	XS Power
Model Name	D6500
Voltage	12 Volts
Max Amps	3800 Amps
Amp-Hours (AH)	86 Ah
Cranking Amps (CA)	1100 CA
Cold Cranking Amps (CCA)	968 CCA
Reserve Capacity (RC)	174 minutes
Number of Cells	6
Terminal Type	Stud Terminal (M6)
Dimensions (L x W x H)	11.8" x 7.20" x 6.80"
Weight	53.81 lbs (25.58 kg)
Material	Plastic
UPC	692209014980



Image: Side view of the XS Power D6500 battery, highlighting its durable, textured casing.

Warranty Information

The XS Power D6500 AGM Battery comes with a manufacturer's warranty to ensure your peace of mind.

- **Standard Warranty:** This product is backed by a 3-year warranty.
- **Protection Plans:** Additional protection plans are available for purchase, including 2-Year and 3-Year options, and a Complete Protect monthly plan.
- **Authorized Dealers:** To ensure full product protection and expert support, always purchase XS Power products from an authorized dealer. Purchases from unauthorized sellers may void your product protection.

Support and Contact

For further assistance or inquiries regarding your XS Power D6500 battery, please use the following resources:

- **User Manual (PDF):** A detailed PDF user manual is available for download: Download User Manual
- **Customer Support:** For direct assistance, please refer to the customer support options provided by your retailer or visit the official XS Power website.
- **XS Power Store:** Explore other XS Power products and information at the official store: Visit XS Power Store

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