

AJC WB-OVRC-UPS-1100-1

AJC Battery WB-OVRC-UPS-1100-1 12V 9Ah UPS Battery Instruction Manual

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1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your AJC Battery WB-OVRC-UPS-1100-1 12V 9Ah UPS Battery. This battery is designed as a compatible replacement for the WattBox WB-OVRC-UPS-1100-1 system. Please read this manual thoroughly before installation and operation to ensure proper handling and to maximize battery life.

2. PRODUCT OVERVIEW

The AJC Battery WB-OVRC-UPS-1100-1 is a 12V 9Ah sealed lead-acid (SLA) battery, specifically engineered for compatibility with the WattBox WB-OVRC-UPS-1100-1 Uninterruptible Power Supply (UPS). It features F2 terminals for secure connections and is designed for reliable performance in various applications.



Figure 2.1: AJC 12V 9Ah UPS Battery, showing the product label with specifications and warnings.

Key Features:

- **Voltage:** 12V (12 Volts)
- **Capacity:** 9Ah
- **Terminals:** F2 type for easy and secure connection.
- **Compatibility:** Designed as a direct replacement for WattBox WB-OVRC-UPS-1100-1 UPS batteries.
- **Quantity:** Two batteries are typically required for a full replacement in the specified UPS model.

REPLACING YOUR BATTERY

- 1** Always refer to manufacturer's instructions included with or on your battery.
- 2** To avoid injury, remove wrist watches and jewelry such as rings when replacing batteries. Use tools with insulated handles.
- 3** Locate the battery compartment.
- 4** Disconnect wires from battery terminals and remove battery.
- 5** Insert new battery and connect wires to battery terminals.

Figure 2.2: Visual representation of the battery's core attributes, including high capacity, reliability, rechargeability, and extended cycle life.

Typical Applications:

This battery is suitable for various applications requiring reliable 12V power, including:

- Uninterruptible Power Supply (UPS) systems
- Emergency lighting
- Security systems
- Electric wheelchairs and scooters



Figure 2.3: Examples of common applications for the AJC 12V 9Ah battery, such as UPS units, mobility devices, security panels, and emergency lighting.

3. SPECIFICATIONS

The following table details the technical specifications of the AJC Battery WB-OVRC-UPS-1100-1 12V 9Ah UPS Battery:

Attribute	Value
Model Number	AJC-D9S-F2 (Compatible with WB-OVRC-UPS-1100-1)
Voltage	12 Volts
Capacity	9 Ah (9000 Milliamp Hours)
Terminal Type	F2
Dimensions (L x W x H)	5.94 x 2.56 x 3.7 inches
Item Weight	5.8 pounds
Battery Type	Rechargeable Valve Regulated Lead-Acid (VRLA)
Non-spillable	Yes



Figure 3.1: Internal components of an AJC VRLA battery, highlighting features such as the hi-impact case, safety valve, and absorbed glass mat separator for enhanced performance and safety.

4. SAFETY INFORMATION

WARNING: Failure to follow these safety guidelines may result in fire, explosion, burns, or other serious injury.

- **Avoid Short Circuit:** Do not allow metal objects to bridge the battery terminals. This can cause a short circuit, leading to heat, sparks, and potential damage to the battery or connected equipment.
- **Recharge After Use:** Always recharge the battery promptly after each use to maintain its health and capacity.
- **Risk of Fire, Explosion, or Burns:** Batteries contain corrosive materials and can generate explosive gases. Handle with care.
- **Do Not Charge in a Sealed Container:** Ensure adequate ventilation during charging to prevent the buildup of gases.
- **Proper Disposal:** Batteries must be recycled or disposed of properly according to local regulations. Do not discard with regular household waste.

- **Do Not Disassemble:** Never attempt to open or disassemble the battery. There are no user-serviceable parts inside.
- **Temperature Limits:** Do not expose the battery to temperatures above 45 °C (113 °F) or incinerate it. High temperatures can cause internal damage and pose a safety risk.

5. INSTALLATION INSTRUCTIONS

When replacing batteries in your UPS or other equipment, always prioritize safety and follow these steps:

1. **Consult Manufacturer's Instructions:** Always refer to the specific instructions provided by the manufacturer of your equipment (e.g., UPS) for battery replacement procedures.
2. **Personal Safety:** To prevent injury from electrical shock or short circuits, remove all metallic jewelry such as wristwatches and rings before handling batteries. Use tools with insulated handles.
3. **Locate Battery Compartment:** Identify and open the battery compartment of your device.
4. **Disconnect and Remove Old Battery:** Carefully disconnect the wires from the old battery terminals (typically negative first, then positive) and remove the battery. Note the orientation of the terminals.
5. **Insert and Connect New Battery:** Insert the new AJC battery into the compartment, ensuring correct polarity. Connect the wires to the new battery terminals (typically positive first, then negative). Ensure connections are secure.



Figure 5.1: Step-by-step guide for safely replacing your battery, emphasizing adherence to manufacturer guidelines and personal safety precautions.



Figure 5.2: Positive F2 Terminal



Figure 5.3: Negative F2 Terminal

6. OPERATING INSTRUCTIONS

Once installed, the AJC Battery operates as part of your UPS or other compatible device. The primary operational aspects relate to charging and discharging:

- **Initial Charge:** Although batteries may arrive with some charge, it is recommended to fully charge the battery before its first use to ensure optimal performance and lifespan. Refer to your equipment's manual for charging procedures.
- **Normal Operation:** The battery will automatically charge when connected to a power source (e.g., UPS plugged into an outlet) and discharge to provide power during outages or when the device is used portably.
- **Avoid Deep Discharge:** While these batteries are designed to handle discharge cycles, frequent deep discharges can reduce overall battery life. It is best to recharge the battery as soon as possible after it has been discharged.
- **Temperature:** Operate the battery within the recommended temperature range specified by your equipment manufacturer. Extreme temperatures can affect performance and lifespan.

7. MAINTENANCE

Proper maintenance can significantly extend the life and performance of your AJC battery:

- **Regular Charging:** Ensure the battery is regularly charged, especially if stored for extended periods. A trickle charge or periodic recharging is recommended to prevent self-discharge.
- **Clean Terminals:** Periodically inspect battery terminals for corrosion. If corrosion is present, clean them with a wire brush and a mixture of baking soda and water. Ensure terminals are dry before reconnecting.
- **Storage:** If storing the battery for a long time, ensure it is fully charged and stored in a cool, dry place. Recharge every 3-6 months to prevent irreversible capacity loss.
- **Physical Inspection:** Check the battery casing for any signs of damage, swelling, or leaks. If any damage is observed, discontinue use and replace the battery.

8. DISPOSAL INFORMATION

This battery contains lead and other materials that require special handling for disposal. Do not dispose of this battery with general household waste.

- **Recycle:** This battery must be recycled. Many retailers, automotive service centers, and municipal waste facilities offer battery recycling programs.
- **Local Regulations:** Consult your local waste management authority for specific recycling and disposal requirements in your area.
- **Environmental Protection:** Proper recycling helps prevent environmental pollution and allows for the recovery of valuable materials.

9. SUPPORT AND CONTACT

For technical assistance, warranty inquiries, or further information regarding your AJC Battery, please refer to the contact information provided by your retailer or visit the official AJC Battery website.

Always provide your battery's model number (AJC-D9S-F2) and purchase details when seeking support.