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› Interstate Batteries SLA1079 12V 8Ah AGM VRLA Battery User Manual

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Model: SLA1079

INTRODUCTION

This manual provides essential information for the safe and effective use of your Interstate Batteries SLA1079 12V 8Ah Sealed Lead Acid (SLA) Absorbent Glass Mat (AGM) Valve Regulated Lead Acid (VRLA) battery. Please read these instructions carefully before installation and operation.

The SLA1079 is a rechargeable, maintenance-free, and spill-proof battery designed for various applications, including UPS systems, medical devices, emergency lighting, and security systems.



Image: Interstate Batteries SLA1079 12V 8Ah AGM VRLA Battery, showing the product from a slight angle.

SAFETY INFORMATION

Always observe the following safety precautions when handling batteries:

- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Do not short-circuit the battery terminals.
- Keep the battery away from open flames, sparks, and heat sources.
- Do not disassemble, puncture, or incinerate the battery.
- Store in a cool, dry, and well-ventilated area.
- In case of accidental contact with electrolyte, flush with water immediately and seek medical attention.

SETUP AND INSTALLATION

Before installation, ensure the battery dimensions are compatible with your application. The SLA1079 features F2 terminals (.250 FASTON SPADES).

SLA1079




SLA AGM


12 VOLTS


4.85 LBS


8 AH

Image: Diagram showing the dimensions of the SLA1079 battery: 5.94 inches (Length) x 2.56 inches (Width) x 3.70 inches (Height). It also indicates 12 Volts, 8 Ah capacity, and 4.85 lbs weight.

1. **Inspect the Battery:** Check for any physical damage or leaks. Do not install a damaged battery.
2. **Prepare the Installation Area:** Ensure the area is clean, dry, and free from conductive materials.
3. **Connect Terminals:** Connect the positive (+) terminal of the battery to the positive lead of your device, and the negative (-) terminal to the negative lead. Ensure connections are secure and tight to prevent arcing or poor performance.
4. **Secure the Battery:** Place the battery in a stable position, ensuring it is not subject to excessive vibration or movement.

The battery comes with terminal hardware if applicable. Refer to your device's manual for specific installation instructions.

OPERATING INSTRUCTIONS

The Interstate Batteries SLA1079 is a rechargeable, maintenance-free battery. It is designed for continuous use in various applications.

- **Initial Charge:** While batteries typically come partially charged, it is recommended to fully charge the battery before its first use to ensure maximum capacity and lifespan.
- **Charging:** Use a compatible 12V battery charger designed for SLA/AGM batteries. The maximum charge current is 2.4A.
 - Standby Use (Float Charge): 13.7V - 13.9V
 - Cycle Use: 14.6V - 14.8V
- **Discharge:** Avoid deep discharges below 10.5V to prolong battery life.
- **Applications:** This battery is suitable for Universal Power Systems (UPS), medical devices, security systems, emergency lighting, and other applications requiring a reliable 12V power source.



Image: The SLA1079 battery shown in context with a security camera and solar panel, illustrating its use in security and backup power systems.



Image: The SLA1079 battery placed next to an APC UPS unit and a laptop, demonstrating its role in providing backup power during outages.

MAINTENANCE

The SLA1079 is a maintenance-free battery due to its Sealed Lead Acid (SLA) and Absorbent Glass Mat (AGM) VRLA technology. This means it does not require water additions or electrolyte level checks.

- **Cleaning:** Keep the battery terminals and casing clean and dry. Use a damp cloth to wipe away any dust or dirt. Do not use solvents or harsh chemicals.
- **Terminal Connections:** Periodically check terminal connections for tightness and corrosion. Clean any corrosion with a wire brush and apply a thin layer of dielectric grease if necessary.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Recharge the battery every 3-6 months to prevent self-discharge and maintain optimal performance.
- **Temperature:** Operate and store the battery within its recommended temperature range to maximize lifespan. Extreme temperatures can reduce battery performance and life.

TROUBLESHOOTING

If you experience issues with your Interstate Batteries SLA1079, consider the following common troubleshooting steps:

- **Battery Not Holding Charge:**
 - Ensure the charger is compatible and functioning correctly.
 - Check for proper terminal connections; loose connections can prevent charging.
 - Verify the battery is not over-discharged. Deep discharges can permanently damage the battery.
- **Reduced Performance/Short Runtime:**
 - The battery may be nearing the end of its service life.
 - Ensure the battery is fully charged before use.
 - Check for excessive load on the battery, which can cause rapid discharge.
- **Overheating During Charge:**
 - Ensure the charger's voltage and current settings are correct for a 12V 8Ah AGM battery.
 - Charge in a well-ventilated area.

For more detailed troubleshooting, please refer to the official [Troubleshooting Guide \(PDF\)](#) available online.

SPECIFICATIONS

Model Number	SLA1079
Brand	Interstate Batteries
Voltage	12 Volts
Amperage (Capacity)	8 Ah
Battery Cell Composition	Sealed Lead Acid (SLA), AGM, VRLA
Terminal Type	F2 (.250 FASTON SPADES)
Dimensions (L x W x H)	5.94" x 2.56" x 3.70"
Weight	4.9 pounds
Reusability	Rechargeable
Included Components	Battery, Terminal Hardware (if applicable)

WARRANTY AND SUPPORT

Your Interstate Batteries SLA1079 battery is backed by a **12-month manufacturer's warranty**. For any warranty-related questions or support, please contact Interstate Batteries directly.

Additional resources:

- Official [User Guide \(PDF\)](#)
- Official [Troubleshooting Guide \(PDF\)](#)
- Visit the [Interstate Batteries Store on Amazon](#) for more products and information.

Interstate Batteries is committed to environmental responsibility. Please return used batteries to an authorized Interstate All Battery Center for recycling.



Image: A close-up of a green recycling logo with "Interstate Batteries Green Standard" text, emphasizing the company's commitment to recycling.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question