

Interstate Batteries HSL1056

Interstate Batteries 12V 5Ah HSL1056 High Rate SLA AGM Battery User Manual

INTRODUCTION

This manual provides essential information for the safe and effective use of your Interstate Batteries HSL1056 12V 5Ah High Rate Sealed Lead Acid (SLA) Absorbent Glass Mat (AGM) VRLA battery. This battery is engineered to provide reliable backup power for critical applications such as Uninterruptible Power Supply (UPS) systems, servers, and other backup power needs. Please read this manual thoroughly before installation and operation.

PRODUCT FEATURES

- **High-Rate Discharge Capability:** Designed for applications requiring rapid power delivery, such as UPS systems.
- **Sealed Lead Acid (SLA) AGM Technology:** Maintenance-free, spill-proof, and allows for flexible mounting positions.
- **Valve Regulated Lead Acid (VRLA):** Eliminates spills and over-pressurization, enhancing safety and reliability.
- **Rechargeable:** Designed for multiple charge and discharge cycles.
- **F2 Terminal:** Standard terminal type for easy connection.
- **Fire Retardant Case:** Provides an additional layer of safety.



HIGH RATE HSL1056

12V 5Ah 20W per Cell / 15 MIN
Max. Discharge Current (5 sec.) 75A
Max Charging Current 1.5A



APPLICATION	VOLTAGE REGULATION
Standby Use	13.5V ~ 13.8V
Cycle Use	14.4V ~ 15.0V

FLAME RETARDANT

**Sealed Maintenance-Free
Rechargeable Battery
Nonspillable – AGM**



Image: The Interstate Batteries HSL1056 battery, showing its dimensions (3.54 in L x 2.76 in W x 3.98 in H), 12 Volts, 5 Ah capacity, and 3.62 lbs weight. It is an SLA AGM high-rate battery.

SAFETY INFORMATION

Always prioritize safety when handling batteries. Improper handling can lead to injury or damage.

- **Eye Protection:** Always wear appropriate eye protection when working with batteries.
- **Ventilation:** Ensure adequate ventilation during charging to prevent gas accumulation.
- **Avoid Short Circuits:** Do not short-circuit the battery terminals. This can cause severe burns, fire, or explosion.
- **Proper Tools:** Use insulated tools to prevent accidental short circuits.

- **Chemical Exposure:** In case of contact with battery acid, flush immediately with water and seek medical attention.
- **Disposal:** Do not dispose of batteries in fire. Recycle batteries responsibly at an authorized collection center.
- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SETUP

Follow these steps for proper installation of your HSL1056 battery:

1. **Inspect the Battery:** Before installation, visually inspect the battery for any signs of damage, cracks, or leaks. Do not install a damaged battery.
2. **Prepare the Installation Area:** Ensure the battery compartment or installation area is clean, dry, and free from corrosive materials.
3. **Verify Compatibility:** Confirm that the HSL1056 battery specifications (12V, 5Ah, F2 terminal, dimensions) match the requirements of your device (e.g., UPS system).
4. **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. The HSL1056 uses F2 terminals.
5. **Secure the Battery:** Place the battery securely in its compartment to prevent movement or vibration during operation.

GREAT FOR UPS BACK UP SYSTEMS



Image: The Interstate Batteries HSL1056 battery positioned next to a laptop and a UPS system, illustrating its use in backup power applications.

OPERATING INSTRUCTIONS

The HSL1056 battery is designed for reliable performance in float standby and cyclic applications.

- **Initial Charge:** For optimal performance, it is recommended to fully charge the battery before its first use. Refer to your device's manual for specific charging instructions.
- **Charging Voltage:**
 - Standby Use: 13.5V - 13.8V
 - Cycle Use: 14.4V - 15.0V
- **Max Charge Current:** 1.5A
- **Discharge:** Avoid deep discharges below the recommended voltage levels to prolong battery life. Most UPS systems manage this automatically.

- **Temperature:** Operate the battery within its specified temperature range for best performance and longevity. Extreme temperatures can affect capacity and lifespan.

MAINTENANCE

The HSL1056 is a maintenance-free battery, meaning it does not require water additions. However, general care can extend its lifespan.

- **Keep Clean:** Periodically clean the battery terminals and case with a dry cloth to remove dust and dirt. Ensure no moisture enters the terminals.
- **Check Connections:** Regularly inspect terminal connections for tightness and corrosion. Loose connections can lead to power loss and heat buildup.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Recharge every 3-6 months to prevent sulfation.
- **Recycling:** When the battery reaches the end of its service life, recycle it responsibly. Interstate Batteries offers recycling programs. Visit an Interstate All Battery Center near you for proper disposal.



Image: A graphic highlighting Interstate Batteries' commitment to recycling, stating they recycle over 900 million pounds of lead per year.

TROUBLESHOOTING

If you encounter issues with your HSL1056 battery, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Battery not holding charge	Undercharging, overcharging, or end of life	Verify charger output voltage and current. Ensure proper charging cycles. If battery is old, consider replacement.
Device not powering on	Loose connections, discharged battery, or incompatible battery	Check all terminal connections for tightness. Recharge the battery. Confirm battery specifications match device requirements.

Problem	Possible Cause	Solution
Battery overheating during charge	Overcharging or faulty charger	Disconnect charger immediately. Verify charger voltage and current. Replace faulty charger.
Reduced runtime	Partial charge, aging battery, or operating in extreme temperatures	Ensure full charge cycles. If battery is old, capacity naturally decreases. Operate within recommended temperature range.

If troubleshooting steps do not resolve the issue, contact Interstate Batteries customer support.

SPECIFICATIONS

Specification	Value
Model Number	HSL1056
Voltage	12 Volts
Battery Capacity	5 Amp Hours (5Ah)
Battery Cell Composition	Sealed Lead Acid (SLA) / Absorbent Glass Mat (AGM)
Terminal Type	F2
Dimensions (LxWxH)	3.54 x 2.76 x 3.98 inches
Item Weight	3.6 Pounds
Reusability	Rechargeable
Recommended Uses	UPS Systems, Servers, Backup Power
Manufacturer	Interstate Batteries

WARRANTY AND SUPPORT

Your Interstate Batteries HSL1056 battery is backed by a **12-month manufacturer performance warranty**. For warranty claims, technical assistance, or any questions regarding your battery, please contact Interstate Batteries directly through their official channels. Refer to the product packaging or the Interstate Batteries website for the most current contact information.

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