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› Skar Audio SK-BATT65AH 12V AGM 975 Amp 65Ah High Performance Car Audio Battery Manual

## Skar Audio SK-BATT65AH

# Skar Audio SK-BATT65AH 12V AGM High Performance Car Audio Battery User Manual

Model: SK-BATT65AH

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your Skar Audio SK-BATT65AH 12V AGM High Performance Car Audio Battery. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of the product. This battery is designed to provide reliable power for automotive, truck, and marine audio applications.

## 2. SAFETY INFORMATION

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**WARNING:** Batteries contain sulfuric acid and produce explosive gases. Improper handling can lead to severe injury or death. Always follow these safety guidelines:

- Wear appropriate personal protective equipment, including eye protection and gloves, when handling batteries.
- Ensure adequate ventilation when charging or working near batteries to prevent the accumulation of explosive gases.
- Keep sparks, flames, and smoking materials away from the battery.
- Avoid short-circuiting the battery terminals. This can cause severe burns and damage to the battery.
- Do not exceed 14.4 volts while charging the battery. Overcharging can damage the battery and pose a safety risk.
- In case of contact with battery acid, flush eyes immediately with water for at least 15 minutes and seek medical help. Wash skin thoroughly with soap and water.
- Keep batteries out of reach of children.



Image: Side view of the SK-BATT65AH battery, showing the Prop 65 warning label. This label indicates that the product contains chemicals known to cause cancer and reproductive harm.

**California Proposition 65 Warning:** This product contains chemicals, including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 3. PRODUCT OVERVIEW

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The Skar Audio SK-BATT65AH is a 12V Absorbed Glass Mat (AGM) high-performance battery designed for demanding car audio systems. It offers a robust power supply with a high discharge rate and reserve capacity.



Image: Top-down view of the Skar Audio SK-BATT65AH battery, showcasing its design and branding.

### Key Features:

- **AGM Technology:** Provides superior performance, vibration resistance, and a longer lifespan compared to traditional lead-acid batteries.
- **High Power Output:** Delivers 975 amps maximum output and 668 cold cranking amps (CCA) for reliable starting and sustained power.
- **65 Amp-Hour Capacity:** Ensures ample power storage for extended use.
- **Top Post Terminals:** Designed for straightforward and secure connections.
- **Included Hardware:** Comes with necessary terminal hardware for installation.

### What's in the Box:

- Skar Audio SK-BATT65AH 12V AGM Battery
- Terminal Hardware (bolts, washers, and brass adapters)



Image: The terminal hardware included with the SK-BATT65AH battery, consisting of bolts, washers, and brass adapters for secure connections.

## 4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your battery. If you are unsure about any steps, consult a qualified professional.

### Installation Steps:

1. **Safety First:** Ensure the vehicle's ignition is off and all accessories are disconnected. Wear safety glasses and gloves.
2. **Remove Old Battery (if applicable):** Disconnect the negative (-) terminal first, then the positive (+) terminal. Carefully remove the old battery from its tray.
3. **Inspect Battery Tray and Cables:** Clean the battery tray and ensure it is free of corrosion. Inspect battery cables for damage or corrosion. Replace if necessary.
4. **Position New Battery:** Place the Skar Audio SK-BATT65AH battery securely in the battery tray. Ensure it is

stable and cannot move during vehicle operation.

#### 5. Connect Terminals:

- Connect the positive (+) cable to the positive (+) terminal of the new battery first. Use the provided terminal hardware to ensure a tight and secure connection.
- Connect the negative (-) cable to the negative (-) terminal of the new battery. Secure tightly with the provided hardware.

6. **Verify Connections:** Double-check that both positive and negative connections are secure and free from any movement. Loose connections can cause arcing and damage.

7. **Initial Voltage Check:** After installation, it is recommended to check the battery voltage with a multimeter to ensure it is within the normal operating range (typically 12.6V to 12.8V for a fully charged 12V battery).



Image: The SK-BATT65AH battery shown with its top post terminals and the included hardware, emphasizing ease of installation.

## 5. OPERATING INSTRUCTIONS

The Skar Audio SK-BATT65AH battery is designed to operate as a primary or auxiliary power source for your vehicle's electrical system, particularly for high-demand car audio applications.

- **Normal Operation:** Once installed, the battery will integrate with your vehicle's charging system. The alternator will recharge the battery during vehicle operation.
- **Deep Cycle Use:** While this is an AGM battery capable of handling deep discharges, frequent deep cycling without proper recharging can reduce its lifespan.
- **Monitoring:** For optimal performance, periodically monitor the battery's voltage, especially if running a high-power audio system. A voltage display can help ensure the battery remains adequately charged.



Image: The SK-BATT65AH battery, highlighting its design for consistent and reliable power supply to audio systems.

## 6. MAINTENANCE

Regular maintenance helps extend the life and performance of your AGM battery.

- **Keep Terminals Clean:** Periodically inspect battery terminals for corrosion. Clean them with a wire brush and a mixture of baking soda and water if necessary. Rinse with clean water and dry thoroughly.
- **Check Connections:** Ensure all terminal connections remain tight and secure.
- **Maintain Charge:** If the vehicle is stored for extended periods or used infrequently, use a smart charger designed for AGM batteries to maintain a full charge. Avoid letting the battery sit in a discharged state.
- **Avoid Extreme Temperatures:** While AGM batteries perform well in various temperatures, extreme heat or cold can affect their lifespan. Store in a cool, dry place if removed from the vehicle.
- **Proper Charging:** When charging with an external charger, ensure it is compatible with AGM batteries and does not exceed 14.4 volts.

## 7. TROUBLESHOOTING

If you experience issues with your Skar Audio SK-BATT65AH battery, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Battery not holding charge	Loose connections, faulty charging system (alternator), parasitic drain, sulfation due to deep discharge.	Check terminal connections. Test alternator output. Identify and eliminate parasitic drains. Fully charge with an AGM-compatible charger. If issues persist, battery may need replacement.
Low voltage output	Undercharged battery, excessive load, damaged battery cells.	Charge the battery fully. Reduce electrical load if possible. If voltage remains low after charging, the battery may be damaged.
Corrosion on terminals	Normal chemical reaction, loose connections.	Clean terminals with a wire brush and baking soda solution. Ensure connections are tight. Apply anti-corrosion spray.
Battery appears swollen or damaged	Overcharging, internal damage.	<b>Immediately disconnect the battery. Do not attempt to charge or use.</b> This indicates a severe internal fault. Replace the battery and have your charging system checked.

If these steps do not resolve the issue, contact Skar Audio customer support or a qualified automotive technician.

## 8. SPECIFICATIONS

Detailed technical specifications for the Skar Audio SK-BATT65AH battery:

Specification	Value
Brand	Skar Audio
Model Number	SK-BATT65AH
Voltage	12 Volts
Battery Cell Composition	Sealed Lead Acid (AGM)
Maximum Output Current	975 Amps
Cranking Amps (CCA)	668 Amps
Max Discharge Capacity	65 Ah (Amp Hours)
Reserve Capacity	90 minutes
1 Hour Rate	35.75A / 43.23Ah
5 Hour Rate	11.7A / 60.5Ah
20 Hour Rate	3.25A / 67.1Ah
1/2 Hour Rate	65A / 36.29Ah
Typical Life Cycle	300 Cycles @ 100% Discharge Depth (Down to 10.5 Volts)
Item Weight	43.3 Pounds
Product Dimensions (D x W x H)	9.88" x 6.25" x 7"
Terminal Type	Top Post Terminal
Compatible Vehicle Type	Most Automotive, Truck, and Marine Applications
UPC	810028813854

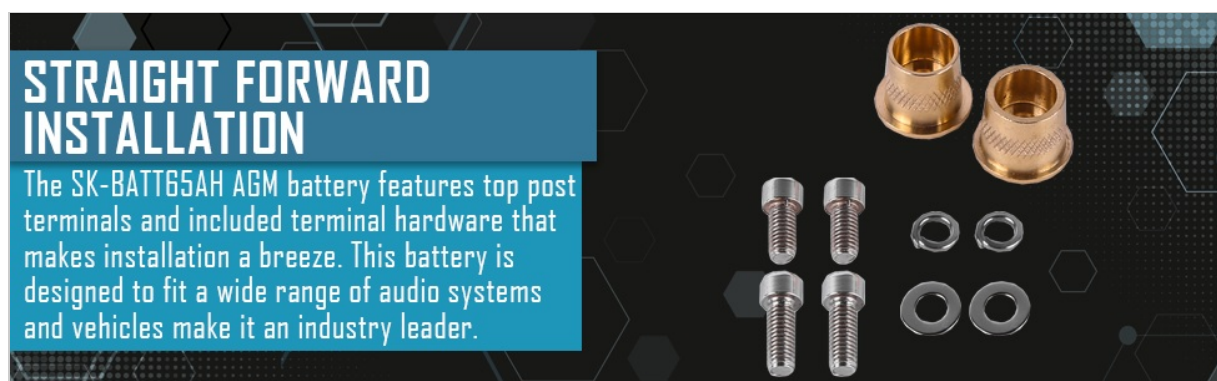


Image: Infographic summarizing key performance metrics: 975 Amps Max Discharge Current, 668 Cold Cranking Amps (CCA), 65 Amp Hours, and 90 Minute Reserve Capacity.

## 9. WARRANTY INFORMATION

The Skar Audio SK-BATT65AH battery is covered by a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, abuse, neglect, overcharging, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

## 10. SUPPORT

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For technical assistance, warranty claims, or any questions regarding your Skar Audio SK-BATT65AH battery, please contact Skar Audio customer support. Refer to the official Skar Audio website for the most current contact information.

**Online Resources:** Visit the Skar Audio website for FAQs, additional product information, and support resources.