

## Schauer JAC1548H

# Schauer JAC1548H 48V 15A Automatic Battery Charger User Manual

Model: JAC1548H

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Schauer JAC1548H 48V 15A Automatic Battery Charger. This unit is designed to charge 48-volt lead-acid, AGM, and gel batteries, offering a reliable solution for various applications including industrial equipment and golf cart service. The charger features a 3-stage CC/CV/Float charging profile to optimize battery life and prevent overcharging. This bundle includes an SB50 Battery Clip Adapter (Part #202000065) for flexible battery connections.

## 2. IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** Read all instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Charge Only 48V Lead-Acid Type Rechargeable Batteries:** This charger is specifically designed for 48V lead-acid, AGM, and gel batteries. Attempting to charge other types of batteries may cause them to burst, leading to injury or damage.
- **Ventilation:** Ensure adequate ventilation when charging batteries. Batteries can produce explosive gases.
- **Avoid Flames and Sparks:** Do not smoke or allow a spark or flame in the vicinity of the battery or engine.
- **Eye Protection:** Always wear eye protection when working near batteries.
- **Electrical Connections:** Ensure all connections are secure before turning on the charger. Loose connections can cause overheating.
- **Disconnecting:** Always disconnect the AC power from the outlet before disconnecting the battery clamps.
- **Reverse Polarity Protection:** The charger includes reverse polarity protection. However, always double-check battery polarity before connecting.
- **Environmental Conditions:** Do not expose the charger to rain or excessive moisture. Operate in a clean, dry environment.
- **Servicing:** Do not attempt to service the charger yourself. Refer all servicing to qualified personnel.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Schauer JAC1548H 48V 15A Automatic Battery Charger
- SB50 Battery Clip Adapter (Part #202000065) with Alligator Clamps
- AC Power Cord



Image 3.1: Schauer JAC1548H charger with DC output cable and AC input cable, alongside the SB50 battery clip adapter.

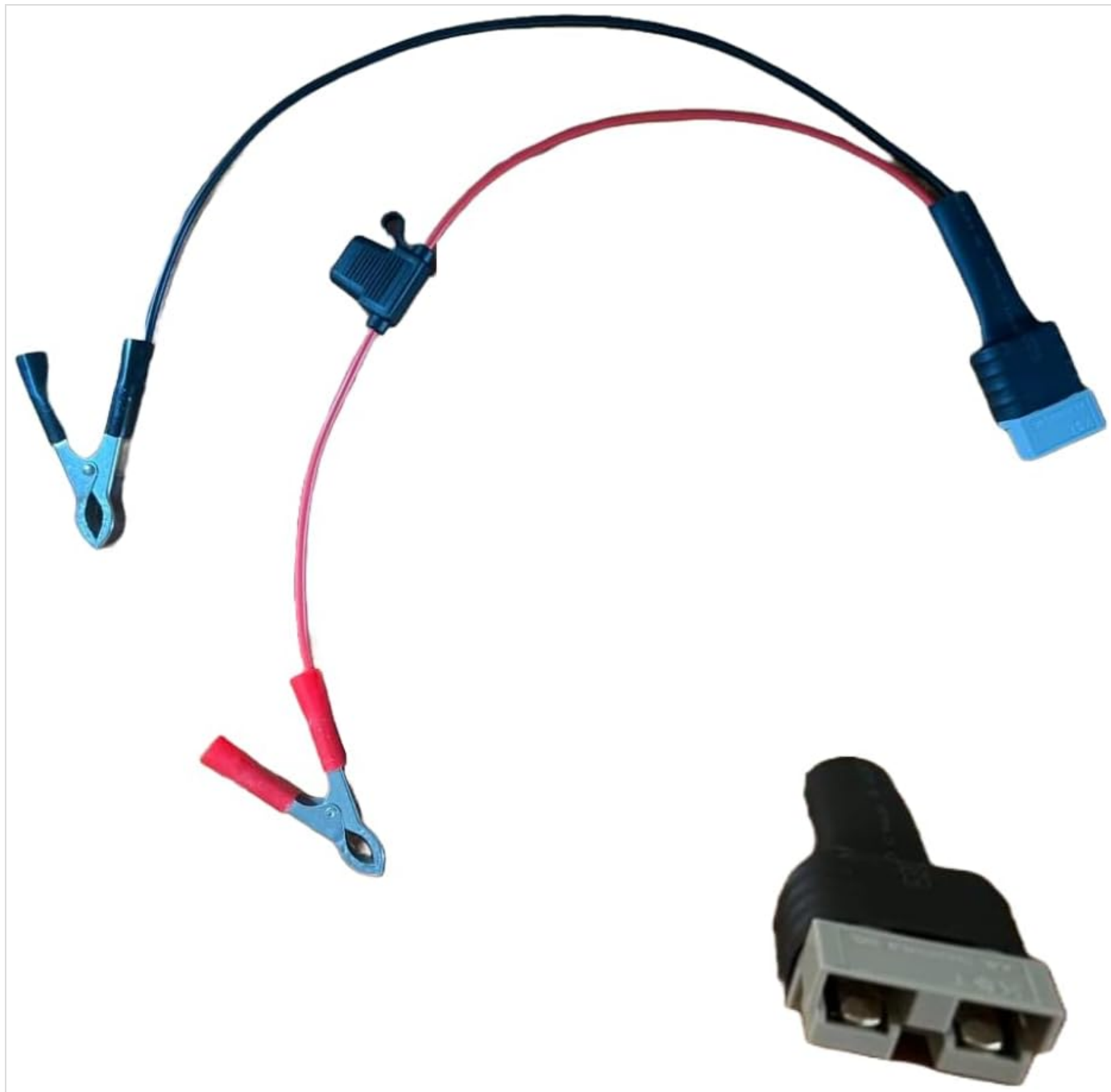


Image 3.2: The SB50 Battery Clip Adapter, featuring red and black alligator clamps for temporary battery connections.

## 4. PRODUCT FEATURES

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- **Automatic 3-Stage Charging:** Features CC/CV/Float charging profile for safe and efficient battery charging.
- **Float Mode:** Automatically transitions to float maintenance mode to prevent overcharging and extend battery life.
- **Wide Battery Compatibility:** Suitable for flooded lead-acid, AGM, and gel batteries.
- **SB50 Battery Clip Adapter:** Included adapter with heavy-duty alligator clamps for flexible, temporary connections to batteries. Designed for 15-40 amp chargers with an SB50 grey connector.
- **Industrial-Grade Construction:** Rugged aluminum housing with an internal cooling fan for durability in demanding environments.
- **Comprehensive Protection:** Built-in safety features include reverse polarity, over-voltage, over-temperature, current limiting, and short-circuit protection.



Image 4.1: Front panel of the charger, displaying the DC output, power switch, battery type selector, and LED indicators.

## 5. SETUP

1. **Unpack the Charger:** Carefully remove the charger and all accessories from the packaging. Inspect for any signs of damage.
2. **Connect SB50 Adapter:** Connect the SB50 Battery Clip Adapter to the DC output port of the charger. Ensure a firm and secure connection.
3. **Select Battery Type:** Locate the battery type selector switch on the front panel of the charger. Set it to the appropriate position for your battery:
  - **FLOODED BATTERIES:** For standard wet cell lead-acid batteries.
  - **GEL or AGM:** For Gel or Absorbed Glass Mat batteries.

**Important:** Selecting the incorrect battery type can damage the battery or charger.

4. **Connect to Battery:**
  - Connect the **RED** positive (+) alligator clamp to the positive (+) terminal of the battery.
  - Connect the **BLACK** negative (-) alligator clamp to the negative (-) terminal of the battery.

Ensure a good, clean connection. Avoid touching the clamps together once connected to the battery.

5. **Connect to AC Power:** Plug the AC power cord into a standard 120V AC outlet.

## 6. OPERATING INSTRUCTIONS

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1. **Power On:** Flip the ON/OFF switch on the front panel to the 'ON' position. The 'POWER' indicator (LED1) should illuminate.
2. **Monitor Charging:** The 'CHARGING' indicator (LED2) will illuminate when the battery is actively charging. The charger will automatically adjust its output based on the battery's state of charge.
3. **Full Charge Indication:** Once the battery reaches full charge, the 'FULL CHARGE' indicator (LED2) will illuminate, and the 'CHARGING' indicator will turn off. The charger will then automatically switch to float maintenance mode.
4. **Float Mode:** In float mode, the charger maintains the battery at an optimal voltage, preventing self-discharge without overcharging. The 'POWER' and 'FULL CHARGE' indicators will remain lit.
5. **Disconnecting:**
  - First, flip the ON/OFF switch to the 'OFF' position.
  - Unplug the AC power cord from the wall outlet.
  - Disconnect the BLACK negative (-) alligator clamp from the battery.
  - Disconnect the RED positive (+) alligator clamp from the battery.

## 7. MAINTENANCE

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- **Cleaning:** Keep the charger's exterior clean and free of dust and debris. Use a dry cloth for cleaning. Do not use solvents or abrasive cleaners.
- **Ventilation:** Ensure the cooling fan and vents on the charger remain unobstructed to prevent overheating.
- **Cable Inspection:** Regularly inspect the AC power cord and DC output cables, including the SB50 adapter and alligator clamps, for any signs of damage, fraying, or corrosion. Replace damaged components immediately.
- **Storage:** Store the charger in a cool, dry place when not in use.



Image 7.1: Rear panel of the charger, highlighting the cooling fan and AC power input port, which should be kept clear for proper ventilation.

## 8. TROUBLESHOOTING

| Problem                                      | Possible Cause                                                                                                                                                                                                                                      | Solution                                                                                                                                                                                                                                                                                        |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Charger does not power on<br>(POWER LED off) | <ul style="list-style-type: none"><li>• No AC power</li><li>• Faulty AC cord</li><li>• Charger switch off</li></ul>                                                                                                                                 | <ul style="list-style-type: none"><li>• Check AC outlet and power cord connection.</li><li>• Ensure charger switch is in 'ON' position.</li></ul>                                                                                                                                               |
| CHARGING LED does not<br>illuminate          | <ul style="list-style-type: none"><li>• Incorrect battery connection<br/>(reverse polarity)</li><li>• Battery already fully charged</li><li>• Battery voltage too low for<br/>charger to detect</li><li>• Incorrect battery type selected</li></ul> | <ul style="list-style-type: none"><li>• Verify correct polarity (+ to +, - to -).</li><li>• Check if FULL CHARGE LED is on.</li><li>• Consult a battery specialist if battery is deeply<br/>discharged.</li><li>• Ensure correct battery type (FLOODED / GEL or<br/>AGM) is selected.</li></ul> |

| Problem                                 | Possible Cause                                                                                                                                     | Solution                                                                                                                                                                                                                           |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Charger gets excessively hot            | <ul style="list-style-type: none"><li>Blocked ventilation</li><li>Overloaded charger</li></ul>                                                     | <ul style="list-style-type: none"><li>Ensure cooling fan and vents are clear.</li><li>Ensure charger is used with compatible 48V batteries only.</li></ul>                                                                         |
| Battery not charging or charging slowly | <ul style="list-style-type: none"><li>Poor connection to battery terminals</li><li>Battery fault</li><li>Incorrect battery type selected</li></ul> | <ul style="list-style-type: none"><li>Clean battery terminals and ensure secure clamp connection.</li><li>Have battery tested by a professional.</li><li>Verify correct battery type (FLOODED / GEL or AGM) is selected.</li></ul> |

## 9. SPECIFICATIONS

| Feature                        | Specification               |
|--------------------------------|-----------------------------|
| Model Number                   | JAC1548H                    |
| Input Voltage                  | 120 Volts AC                |
| Output Voltage                 | 48 Volts DC                 |
| Output Current                 | 15 Amps                     |
| Charging Profile               | 3-Stage (CC/CV/Float)       |
| Compatible Battery Types       | Flooded Lead-Acid, AGM, Gel |
| Product Dimensions (D x W x H) | 7.3" x 9.6" x 6.4"          |
| Item Weight                    | 9.9 Pounds                  |
| Manufacturer                   | Schauer                     |



Image 9.1: Top label of the charger, displaying model number, input/output specifications, and safety warnings.

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Schauer directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

### 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.

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**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