

Mercedes Benz A0009822921

Genuine Mercedes-Benz 5A Battery Charger with Trickle Charge Function User Manual

Model: A0009822921 | Brand: Mercedes-Benz

1. INTRODUCTION

This user manual provides essential information for the safe and effective operation of your Genuine Mercedes-Benz 5A Battery Charger. Designed to maintain and charge 12V lead-acid and LiFePO4 batteries, this device ensures your vehicle's battery remains in optimal condition, especially during periods of inactivity. Please read this manual thoroughly before first use.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always connect the charger to a grounded electrical outlet.
- Ensure adequate ventilation when charging to prevent gas accumulation.
- Avoid open flames or sparks near the battery during charging.
- Wear eye protection and gloves when handling batteries.
- Do not charge frozen batteries.
- Keep out of reach of children.
- This charger is designed for 12-volt batteries only.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Mercedes-Benz 5A Battery Charger Unit
- Battery Clamp Cable (Red/Black)
- Cigarette Lighter Adapter Cable
- AC Power Cord

- User Manual (this document)



Image: Contents of the Mercedes-Benz 5A Battery Charger package, including the main unit, battery clamps, cigarette lighter adapter, and power cord.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your battery charger:



Image: Top view of the Mercedes-Benz 5A Battery Charger unit, displaying the control panel with indicator lights and function buttons.

4.1. Charger Unit

- **Control Panel:** Features LED indicators for charging status and battery condition.
- **Mode Button:** Used to select charging modes (if applicable, typically automatic for trickle chargers).
- **Input Port:** For connecting the AC power cord.
- **Output Port:** For connecting the battery clamp or cigarette lighter adapter cables.

4.2. Connection Cables

- **Battery Clamp Cable:** For direct connection to battery terminals (positive to positive, negative to negative).
- **Cigarette Lighter Adapter Cable:** For convenient connection via the vehicle's 12V accessory socket.

5. SETUP

1. **Prepare the Battery:** Ensure the battery terminals are clean and free of corrosion. If charging a battery in a vehicle, ensure the vehicle is turned off and in a well-ventilated area.
 2. **Connect to Battery:**
 - **Using Battery Clamps:** Connect the RED (+) clamp to the positive battery terminal and the BLACK (-) clamp to the negative battery terminal. Ensure a secure connection.
 - **Using Cigarette Lighter Adapter:** Plug the adapter into the vehicle's 12V accessory socket. Ensure the socket is powered when the vehicle is off (some vehicles require ignition on for accessory power).
 3. **Connect to Charger Unit:** Plug the chosen connection cable (battery clamp or cigarette lighter adapter) into the output port of the charger unit.
 4. **Connect to Power Outlet:** Plug the AC power cord into the input port of the charger unit, then plug the other end into a standard 120V AC grounded electrical outlet.
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6. OPERATING INSTRUCTIONS

Once connected, the charger will automatically begin its charging process. The LED indicators on the control panel will provide feedback on the battery's status and charging progress.

6.1. Indicator Lights

- **Power LED:** Illuminates when the charger is connected to an AC power source.
- **Charging LED(s):** Indicate the current charging stage (e.g., bulk charge, absorption, float/trickle). Refer to the charger's specific LED pattern for detailed interpretation.
- **Full/Maintenance LED:** Illuminates when the battery is fully charged and the charger has switched to maintenance (trickle charge) mode.
- **Error/Fault LED:** Illuminates if there is a problem (e.g., reverse polarity, short circuit, faulty battery). Disconnect immediately and troubleshoot.

6.2. Charging Process

The charger employs a multi-stage charging process to optimize battery life and performance. It will automatically detect the battery type (lead-acid or LiFePO4) and adjust the charging parameters accordingly. Once the battery reaches full charge, the charger will automatically switch to a maintenance (trickle charge) mode to prevent overcharging and keep the battery topped off.

7. MAINTENANCE

- **Cleaning:** Disconnect the charger from power and battery before cleaning. Wipe the unit with a soft, dry cloth. Do not use harsh chemicals or abrasives.
 - **Storage:** Store the charger in a cool, dry place when not in use. Keep cables neatly coiled to prevent damage.
 - **Cable Inspection:** Periodically inspect all cables and connectors for signs of wear, cuts, or damage. Do not use the charger if any part is damaged.
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8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not turning on.	No AC power; faulty outlet; damaged power cord.	Check power outlet; ensure power cord is securely connected; try a different outlet.
Battery not charging.	Incorrect connection; deeply discharged battery; faulty battery.	Verify connections (polarity); allow more time for deeply discharged batteries; have battery tested by a professional.
Error LED illuminates.	Reverse polarity; short circuit; internal fault; battery fault.	Disconnect immediately. Check connections for correct polarity. Inspect cables for damage. If problem persists, battery or charger may be faulty.

9. SPECIFICATIONS

Feature	Detail
Manufacturer	Mercedes-Benz
Part Number	A0009822921
Voltage	12 Volts
Product Dimensions	7.48 x 10.24 x 2.36 inches
Item Weight	0.01 ounces
Battery Cell Type	Lead Acid, LiFePO4 (Lithium)
Color	Red, Multicolor, Grey

10. WARRANTY AND SUPPORT

This product is a Genuine Mercedes-Benz Part, sold from an Authorized Mercedes-Benz Dealership. For warranty information or technical support, please contact your purchasing dealership or an authorized Mercedes-Benz service center. Always provide your complete Vehicle Identification Number (VIN) when inquiring about fitment or support.

For additional information, you may visit the official Mercedes-Benz store:[Mercedes-Benz Store on Amazon](#).

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