

Amazon Basics 94030107

Amazon Basics 8 Amp Battery Charger for 6V and 12V Batteries Instruction Manual

Model: 94030107

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Amazon Basics 8 Amp Battery Charger. This device is designed to charge and maintain 6V and 12V lead-acid and Absorbed Glass Mat (AGM) batteries, making it suitable for various vehicles including cars, motorcycles, and boats.

SAFETY INFORMATION

Always prioritize safety when working with batteries and electrical equipment. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Read the entire manual** before using the charger.
- **Wear eye protection** and gloves when working with batteries.
- **Ensure adequate ventilation** in the charging area. Batteries can produce explosive gases during charging.
- **Do not smoke or allow sparks/flames** near the battery or charger.
- **Keep children and unauthorized persons away** from the charging area.
- **Avoid touching battery terminals** or charger clamps together when the charger is plugged in.
- **Disconnect the AC power** before making or breaking battery connections.
- **Do not charge frozen batteries.** Allow them to warm to room temperature first.
- **Do not use the charger if it is damaged** or has a faulty cable/plug.

PACKAGE CONTENTS

- Amazon Basics 8 Amp Battery Charger (Steel Housing)
- Fused Alligator Clips
- Fused Ring Terminal Harness
- Instruction Manual

PRODUCT OVERVIEW

The Amazon Basics 8 Amp Battery Charger is a fully automatic, microprocessor-controlled device designed for optimal battery charging and maintenance. It features auto-start, reverse polarity protection, and automatically switches to a maintenance mode once the battery is fully charged.



Figure 1: Amazon Basics 8 Amp Battery Charger with included alligator clips.



Figure 2: Detailed view of the charger's front panel and connection points.

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 park/neutral with the parking brake engaged.
2. **Connect to Power:** Plug the charger's AC power cord into a standard 120V AC outlet. The charger's LED indicators will illuminate.
3. **Select Battery Voltage:** The charger automatically detects 6V or 12V batteries. However, ensure the correct voltage mode is selected if manual override is needed (refer to charger's specific buttons/indicators).
4. **Connect to Battery Terminals:**
 - Connect the **RED** positive (+) alligator clip or ring terminal to the **POSITIVE (+)** battery terminal.
 - Connect the **BLACK** negative (-) alligator clip or ring terminal to the **NEGATIVE (-)** battery terminal or to a non-painted metal part of the vehicle chassis away from the battery.
 - Ensure connections are secure. The charger will not supply power unless a proper connection is detected, preventing sparks.



Figure 3: Charger connected to a vehicle battery for charging.

OPERATING INSTRUCTIONS

1. **Initiating Charge:** Once properly connected, the charger will automatically begin the charging process. An indicator light (e.g., amber or red) will show that the battery is actively charging.
2. **Monitoring Charge Progress:** The charger's indicator lights will change to reflect the battery's charge status. A solid green light indicates the battery is fully charged.

3. **Maintenance Mode:** After the battery reaches full charge, the charger automatically switches to a maintenance (float) mode. In this mode, it will monitor the battery and provide a small current as needed to maintain optimal charge without overcharging. This allows for long-term connection.
4. **Disconnecting the Charger:**
 - First, unplug the charger's AC power cord from the wall outlet.
 - Next, disconnect the **BLACK** negative (-) alligator clip or ring terminal from the battery or chassis.
 - Finally, disconnect the **RED** positive (+) alligator clip or ring terminal from the battery.

MAINTENANCE







The Amazon Basics 8 Amp Battery Charger is designed for minimal maintenance. Keep the unit clean and dry. Store it in a cool, dry place when not in use. The automatic maintenance mode allows the charger to remain connected to a battery for extended periods, ensuring the battery remains fully charged and ready for use.

TROUBLESHOOTING

- **Charger Not Activating:** Ensure the AC power cord is securely plugged into a live outlet. Verify that the battery connections (positive and negative) are clean and securely attached. The auto-start feature requires a proper connection before supplying power.
- **Reverse Polarity Indication:** If the clamps are connected in reverse (positive to negative, negative to positive), the charger's reverse polarity protection will activate, and an LED will flash (e.g., red flashing light). Correct the connections immediately.
- **Battery Not Charging:** If the charger indicates a fault or does not begin charging after proper connection, the battery may be severely discharged or damaged. Consult a professional for battery testing.

SPECIFICATIONS

Model	94030107
Input Voltage	120V AC
Output Voltage	6V DC at 2A or 12V DC at 8/2A
Output Amperage	8 Amps (max)
Compatible Battery Types	Lead-acid, Absorbed Glass Mat (AGM)
Dimensions (LxWxH)	3 x 8.13 x 9.5 inches
Item Weight	2.5 pounds
Housing Material	Steel

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