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› [ENERGIZER ENC4A 4-Amp 6V/12V Smart Battery Charger & Maintainer Instruction Manual](#)

Energizer ENC4A

ENERGIZER ENC4A 4-Amp 6V/12V Smart Battery Charger & Maintainer Instruction Manual

Model: ENC4A

PRODUCT OVERVIEW

The Energizer ENC4A is a fully automatic 4-Amp battery charger and maintainer designed for 6V and 12V lead-acid batteries. It features a 9-step smart charging technology to optimize battery life and an intuitive LCD display for real-time status monitoring. This versatile unit is suitable for a wide range of vehicles and applications, including cars, trucks, motorcycles, ATVs, RVs, and boats.

CHARGES AND MAINTAINS VARIOUS 6/12 VOLT LEAD ACID BATTERIES



Truck



RV



ATV



Car



Motorcycle



jet Ski

Energizer[®]

Image: The Energizer ENC4A 4-Amp charger is compatible with various 6V/12V lead-acid batteries found in trucks, RVs, ATVs, cars, motorcycles, and jet skis.

SETUP INSTRUCTIONS

- 1. Identify Components:** The charger comes with battery clips and O-ring terminals. Choose the appropriate connector for your battery type.
- 2. Connect to Battery:**
 - Ensure the charger is unplugged from the AC outlet before connecting to the battery.
 - Connect the **red** (+) battery clip or O-ring terminal to the positive (+) terminal of the battery.
 - Connect the **black** (-) battery clip or O-ring terminal to the negative (-) terminal of the battery.
 - Ensure connections are secure and free from corrosion.
- 3. Plug into Power:** Once the battery connections are secure, plug the charger's AC power cord into a standard 120V AC wall outlet. The LCD display will illuminate, indicating the charger is active.



Image: The Energizer ENC4A charger connected to a car battery, showing the red clamp on the positive terminal and the black clamp on the negative terminal. The LCD displays the current battery voltage.



Image: A close-up view of the Energizer ENC4A charger connected to a car battery within an engine bay, displaying the battery voltage on its LCD screen.

OPERATING INSTRUCTIONS

The ENC4A charger is fully automatic and utilizes a 9-step smart charging process to efficiently charge and maintain your battery. It automatically detects 6V or 12V batteries and adjusts the amperage rate accordingly.

LCD Display and Modes:

The built-in LCD display provides real-time feedback on the charging process, including battery voltage, charging mode, and error codes. The charger automatically switches between charging and float (maintenance) modes.

- **Automatic Voltage Detection:** The charger will automatically detect if the connected battery is 6V or 12V.
- **9-Step Smart Charging:** This advanced technology ensures optimal charging, prolonging battery life and preventing overcharging.
- **Float Mode:** Once the battery is fully charged, the charger automatically enters float mode, maintaining the battery at an optimal charge without overcharging.
- **Cold Mode:** The display includes icons for cold mode operation, which adjusts voltage for optimal charging in low

temperatures.

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4 AMP BATTERY CHARGER

9-Step Smart Battery Maintainer



4-AMP

Battery
Charger

6-12V

Charging
Selectivity

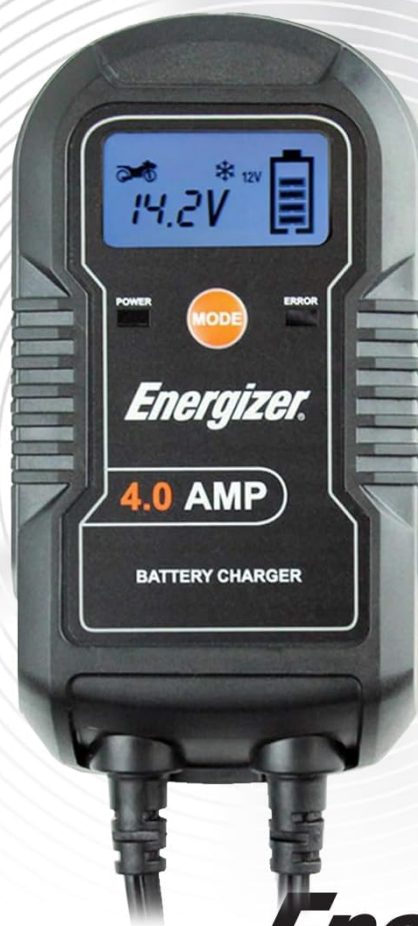
9 STEP

Smart
Charging

Image: A detailed view of the Energizer ENC4A charger's LCD display, showing a 14.2V reading, a car icon, a snowflake icon for cold mode, and a full battery indicator. Safety features like overcharge, short circuit, and reverse polarity protection are also highlighted.

9 STEP SMART CHARGING TECHNOLOGY

Improve your battery's life cycle



Energizer®

Image: The Energizer ENC4A charger with icons illustrating its key features: 4 Amp charging, 6-12 Volt selectivity, automatic switch, alligator clamp connection, 9-step smart charging technology, LCD display, and high-frequency charging.

Official Product Video: Energizer 4amp 6/12v Battery Charger & Maintainer

Your browser does not support the video tag.

Video Description: This video provides a concise overview of the Energizer 4-Amp 6V/12V Battery Charger and Maintainer, demonstrating its features and ease of use for various battery types.

MAINTENANCE

The Energizer ENC4A is designed for minimal maintenance due to its fully automatic operation and built-in safety features. However, proper care of the charger and battery connections will ensure optimal performance and longevity.

- **Regular Cleaning:** Keep the charger unit and connectors clean and dry. Wipe off any dirt or debris with a soft, dry cloth.
- **Connection Inspection:** Periodically check battery terminals and charger connections for corrosion or damage. Clean terminals as needed to ensure good electrical contact.
- **Storage:** When not in use, store the charger in a cool, dry place. Ensure cables are neatly coiled to prevent damage.
- **Desulfation:** The 9-step smart charging technology includes a desulfation stage, which can help restore sulfated

batteries and extend their lifespan.



Image: The Energizer ENC4A charger, emphasizing its fully automatic smart charging capability, which charges the battery when needed and stops when full.

TROUBLESHOOTING

If you encounter issues with your Energizer ENC4A charger, refer to the following common troubleshooting tips:

- **Charger Not Turning On:**

- Ensure the AC power cord is securely plugged into a live outlet.
- Check the battery connections to ensure they are firm and correctly attached (red to positive, black to negative).

- **"E3" Error Code (Overheat):**

- If an "E3" code appears, the charger may be overheating. Unplug the charger from the AC outlet and disconnect from the battery. Allow it to cool down for at least 30 seconds before reconnecting.
- Ensure the charger is in a well-ventilated area during operation.

- **Display Backlight Turns Off:**

- The LCD display backlight is designed to turn off shortly after charging begins to conserve energy. This is normal operation and does not indicate a fault.

- **Battery Not Charging:**

- Verify that the battery voltage is not extremely low (below 2V for 6V batteries or 4V for 12V batteries), as the charger may not detect it.
- Check for reverse polarity connections (red to negative, black to positive), which will prevent charging and trigger a safety warning.
- Ensure the battery type is compatible with the charger (lead-acid: WET, MF, AGM, GEL).

SPECIFICATIONS

Feature	Detail
Brand	Energizer
Model	ENC4A
Amperage	4 Amps
Voltage	6 Volts / 12 Volts (Auto-detection)
Charging Technology	9-Step Smart Charging
Display	LCD Display
Protection Features	Overcharging, Reverse Polarity, Short Circuit
Dimensions	6.1 x 3.1 x 1.8 inches
Item Weight	1 pound
Approvals	ETL Approved under UL std 1236 and CSA C22.2

WARRANTY

The Energizer ENC4A 4-Amp 6V/12V Auto Charger includes a **five-year repair or replace warranty**. This warranty covers defects in materials and workmanship under normal use.

CUSTOMER SUPPORT

For specialized customer service and technical support, please contact Energizer via email, phone, or chat. Refer to the product packaging or the official Energizer website for the most current contact information.

Official Product Video: Energizer Battery Charger and Battery Tender

Your browser does not support the video tag.

Video Description: This video showcases the Energizer Battery Charger and Battery Tender, highlighting its functionality as both a charger and a long-term battery maintainer.

