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NEDIS BACCH02

NEDIS Automatic Lead Acid Battery Charger BACCH02 User Manual

1. INTRODUCTION

Thank you for choosing the NEDIS Automatic Lead Acid Battery Charger, model BACCH02. This charger is designed for safe and efficient charging and maintenance of 2V, 6V, and 12V lead-acid batteries. Please read this manual thoroughly before use to ensure proper operation and to prevent damage to the charger or battery.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions when using the battery charger:

- This charger is for indoor use only. Do not expose to rain or moisture.
- Keep out of reach of children.
- Ensure adequate ventilation during charging to prevent gas accumulation.
- Avoid sparks, flames, or smoking near the battery during charging. Batteries can produce explosive gases.
- Wear eye protection and protective clothing when working with batteries.
- Always disconnect the AC power supply before connecting or disconnecting the battery clamps.
- Connect the red (+) clamp to the positive battery terminal and the black (-) clamp to the negative battery terminal.
- Do not attempt to charge frozen, damaged, or non-rechargeable batteries.
- Do not open the charger casing. Refer all servicing to qualified personnel.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

3. PRODUCT OVERVIEW

The NEDIS BACCH02 is a compact and automatic battery charger. It features a main unit with LED indicators and a voltage selection switch, connected to an AC power cable and DC output cables with battery clamps.



Image: The main unit of the NEDIS BACCH02 charger, showing the LED indicators for polarity and charge status, and the voltage selection switch.

Components:

- **Charger Unit:** Main body containing the electronics.
- **Voltage Selection Switch:** Allows selection between 2V, 6V, and 12V charging modes.
- **Polarity LED (Red):** Indicates incorrect battery connection.
- **Charge LED (Green):** Indicates charging status (blinking for charging, solid for fully charged).
- **Battery Clamps:** Red (+) and Black (-) for connecting to the battery terminals.
- **AC Power Cable:** For connecting to a wall outlet.

4. SETUP

Follow these steps to set up your battery charger:

1. **Ensure Charger is Unplugged:** Before making any connections, ensure the charger's AC power cable is disconnected from the wall outlet.
2. **Identify Battery Voltage:** Determine the voltage of the battery you intend to charge (2V, 6V, or 12V).
3. **Select Correct Voltage:** Use the voltage selection switch on the charger unit to set the appropriate voltage (2V, 6V, or 12V) for your battery.
4. **Connect Battery Clamps:**
 - Connect the **red (+)** battery clamp to the positive (+) terminal of the battery.
 - Connect the **black (-)** battery clamp to the negative (-) terminal of the battery.



Image: Close-up of the red (positive) and black (negative) battery clamps.

5. **Connect to Power:** Once the battery clamps are securely connected, plug the charger's AC power cable into a standard 220V wall outlet.

5. OPERATING INSTRUCTIONS

The NEDIS BACCH02 is a fully automatic charger. Once connected to the battery and power, it will automatically begin the charging process.

Charging Process:

- **Polarity Check:** If the red 'Polarity' LED illuminates, it indicates that the battery clamps are connected incorrectly. Immediately unplug the charger from the AC outlet and correct the connections before plugging it back in.
- **Charging Indication:** The green 'Charge' LED will blink when the battery is actively charging.
- **Full Charge Indication:** When the battery is fully charged, the green 'Charge' LED will stop blinking and remain solid. The charger will then automatically switch to a maintenance (float) charge mode to keep the battery at optimal capacity without overcharging.

Disconnecting the Charger:

To disconnect the charger after use:

1. Unplug the charger's AC power cable from the wall outlet first.
2. Disconnect the black (-) battery clamp from the negative terminal of the battery.
3. Disconnect the red (+) battery clamp from the positive terminal of the battery.

6. MAINTENANCE

Proper maintenance ensures the longevity of your charger:

- Keep the charger clean and dry. Wipe with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the charger in a cool, dry place when not in use.
- Regularly inspect the AC power cable, DC output cables, and battery clamps for any signs of damage, wear, or corrosion. Replace if necessary.

7. TROUBLESHOOTING

If you encounter issues with your charger, refer to the following table:

Problem	Possible Cause	Solution
Charger not turning on / No LEDs lit	No power supply; Faulty outlet; Damaged cable.	Check AC power connection; Try a different outlet; Inspect cable for damage.
Red 'Polarity' LED is lit	Reverse polarity connection.	Unplug charger, correct battery clamp connections (red to +, black to -), then plug back in.
Green 'Charge' LED not blinking / Battery not charging	Battery too deeply discharged; Incorrect voltage selected; Damaged battery.	Ensure correct voltage is selected; Battery may be beyond recovery; Have battery tested by a professional.
Charger unit feels excessively hot	Normal operation (some warmth is expected); Overload; Internal fault.	Ensure adequate ventilation; Disconnect immediately if excessively hot and contact support.

8. SPECIFICATIONS

Feature	Specification
Model	BACCH02
Item Model Number	5412810284245
Input Voltage	220V AC
Output Voltage	2V / 6V / 12V DC (selectable)
Suitable Battery Capacity	2.2 Ah to 10 Ah
Protection Features	Reverse Polarity, Short Circuit
Product Dimensions (L x W x H)	7 x 10 x 6 cm
Item Weight	680 grams
Compliance	CE
Color	Black

9. WARRANTY AND SUPPORT

This product is covered by the standard warranty terms provided by the retailer at the time of purchase. For specific warranty details, please refer to your purchase documentation or contact the retailer directly.

For technical support, troubleshooting assistance beyond what is provided in this manual, or inquiries regarding parts and

service, please contact your point of purchase or the manufacturer's customer service department.

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