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› **Nedis Rechargeable Lead Acid Battery 12V 9000mAh User Manual BALA900012V**

NEDIS BALA900012V

Nedis Rechargeable Lead Acid Battery 12V 9000mAh User Manual

Model: BALA900012V

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Nedis Rechargeable Lead Acid Battery (Model BALA900012V). Please read these instructions carefully before installation and operation to ensure optimal performance and longevity of the battery.

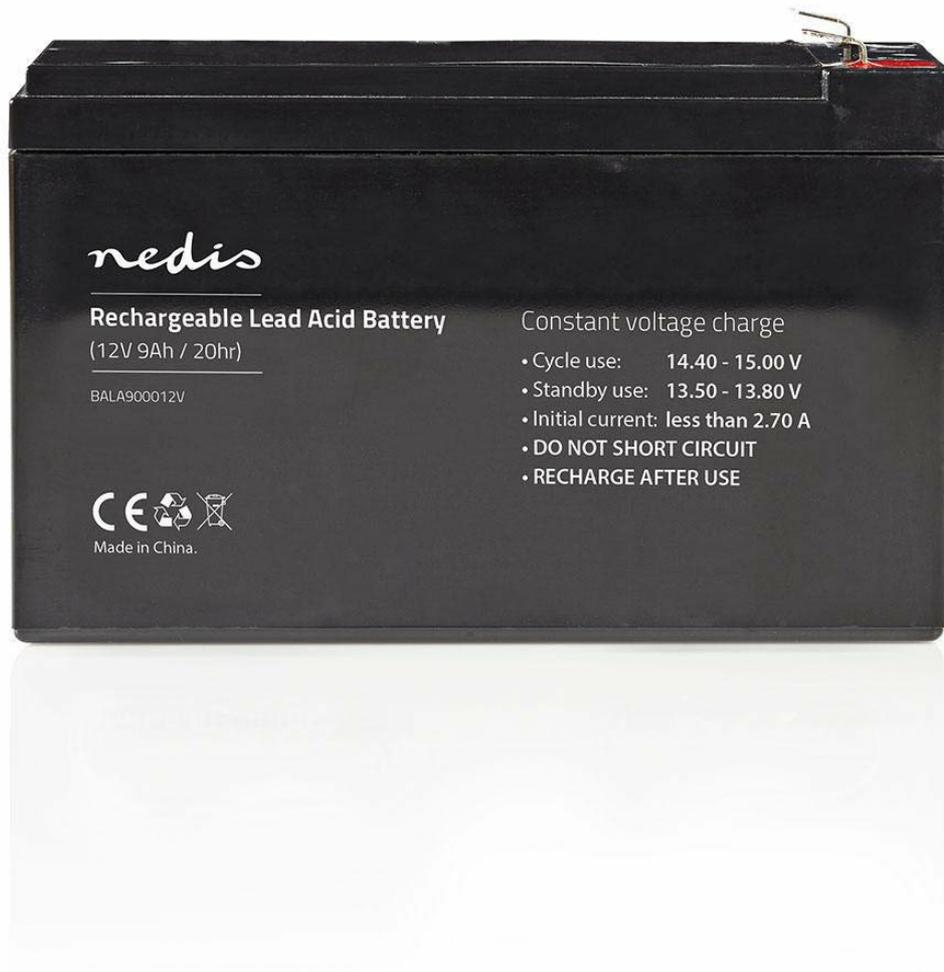


Image 1.1: Nedis 12V 9000mAh Rechargeable Lead Acid Battery in a workshop environment, showcasing its compact design.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the battery and connected equipment:

- **DO NOT SHORT CIRCUIT:** Avoid connecting the positive and negative terminals directly, as this can cause severe damage to the battery, fire, or explosion.
- Use only compatible chargers designed for lead-acid batteries with the specified voltage and current.
- Do not expose the battery to extreme temperatures, direct sunlight, or fire.
- Keep the battery away from water and moisture.
- Do not attempt to open or disassemble the battery. It contains corrosive substances.
- In case of contact with battery acid, immediately flush the affected area with plenty of water and seek medical attention.
- Keep out of reach of children.
- Ensure proper ventilation when charging to prevent accumulation of gases.
- **RECHARGE AFTER USE:** To maintain battery health and extend its lifespan, recharge the battery promptly after

each use.

3. PRODUCT OVERVIEW

The Nedis BALA900012V is a 12V, 9000mAh (9Ah) rechargeable sealed lead-acid battery designed for various applications requiring reliable power. Its robust construction ensures durability and consistent performance.



Image 3.1: Detailed view of the battery label, displaying model number BALA900012V and constant voltage charge parameters.

Key Features:

- **Voltage:** 12 Volts
- **Capacity:** 9000 mAh (9 Ah)
- **Battery Composition:** Lead Acid
- **Reusability:** Rechargeable
- **Model Number:** BALA900012V
- Designed for reliable power supply in various electronic tools and devices.

4. SETUP AND INSTALLATION

Before connecting the battery, ensure that the device it will power is compatible with a 12V lead-acid battery and that the current requirements do not exceed the battery's capabilities.

1. **Inspect the Battery:** Visually check the battery for any signs of damage, leaks, or corrosion on the terminals. Do not use a damaged battery.
2. **Identify Terminals:** Locate the positive (+) and negative (-) terminals on the battery. The positive terminal is typically marked with a plus sign and is often red, while the negative terminal is marked with a minus sign and is often black.
3. **Connect to Device:** Connect the positive terminal of the battery to the positive input of your device. Connect the negative terminal of the battery to the negative input of your device. Ensure connections are secure and tight to prevent arcing or poor performance.
4. **Initial Charge:** For optimal performance, it is recommended to fully charge the battery before its first use. Refer to the "Operating Instructions" section for charging details.



Image 4.1: Top view of the battery clearly showing the positive and negative terminals for correct connection.

5. OPERATING INSTRUCTIONS

Charging the Battery:

Use a charger specifically designed for 12V lead-acid batteries. The battery label provides critical charging parameters:

- **Constant Voltage Charge:**
 - **Cycle Use:** 14.40 - 15.00 V
 - **Standby Use:** 13.50 - 13.80 V
 - **Initial Current:** Less than 2.70 A
- **RECHARGE AFTER USE:** Always recharge the battery immediately after it has been discharged to prevent sulfation and prolong its life.
- Do not overcharge the battery, as this can reduce its lifespan and potentially cause damage.
- Ensure the charger's output voltage matches the battery's requirements.



Image 5.1: Angled view of the battery, highlighting its robust casing and terminal design.

Discharging the Battery:

- Avoid deep discharges. While lead-acid batteries can tolerate deep discharges, frequent deep cycling can shorten their lifespan.
- Monitor the voltage of the battery if your application allows. Do not allow the battery voltage to drop below 10.5V under load.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your Nedis battery:

- **Regular Charging:** Always recharge the battery after use. If stored for extended periods, recharge it every 3-6 months to prevent self-discharge and sulfation.
- **Clean Terminals:** Keep the battery terminals clean and free from corrosion. Use a wire brush if necessary and apply a thin layer of petroleum jelly to prevent future corrosion.
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure it is fully charged before storage.
- **Physical Inspection:** Periodically inspect the battery casing for any cracks, bulges, or leaks. Discontinue use immediately if any damage is observed.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---|--|--|
| Battery not charging | <ul style="list-style-type: none"> Charger not connected properly Faulty charger Battery deeply discharged Damaged battery | <ul style="list-style-type: none"> Check charger connections Test charger with another battery or use a different charger Attempt a slow, low-current charge (if charger supports it) Replace battery if damaged |
| Short operating time | <ul style="list-style-type: none"> Battery not fully charged Battery capacity degradation (aging) High power draw from device | <ul style="list-style-type: none"> Ensure full charge before use Consider battery replacement if significantly old Check device's power consumption |
| Battery overheating during charge/discharge | <ul style="list-style-type: none"> Overcharging Internal short circuit Excessive load | <ul style="list-style-type: none"> Disconnect immediately. Check charger settings. Discontinue use and replace battery. Reduce load on the battery. |

8. SPECIFICATIONS

| Feature | Detail |
|---------------------|-----------------|
| Brand | NEDIS |
| Model Number | BALA900012V |
| Battery Composition | Lead Acid |
| Voltage | 12 Volts |
| Capacity | 9000 mAh (9 Ah) |
| Reusability | Rechargeable |
| Weight | 2.34 Kilograms |
| Country of Origin | China |



Image 8.1: Rear view of the battery, showing branding, model information, and regulatory marks.

9. DISPOSAL INFORMATION

This product contains a lead-acid battery. Do not dispose of the battery with general household waste. Lead-acid batteries are recyclable and should be disposed of at designated collection points or recycling facilities in accordance with local regulations. Proper disposal helps prevent potential negative consequences for the environment and human health.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.