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› Numax AGM SLA YTX20-BS 12V 18AH Battery User Manual

Numax NTX20-BS SLA

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Model: NTX20-BS SLA

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Numax AGM SLA YTX20-BS 12V 18AH sealed battery. This battery is a Valve Regulated Lead-Acid (VRLA) type, designed for reliable performance in various applications, particularly motorcycles. It is a sealed, maintenance-free unit, ready for use after an initial charge.

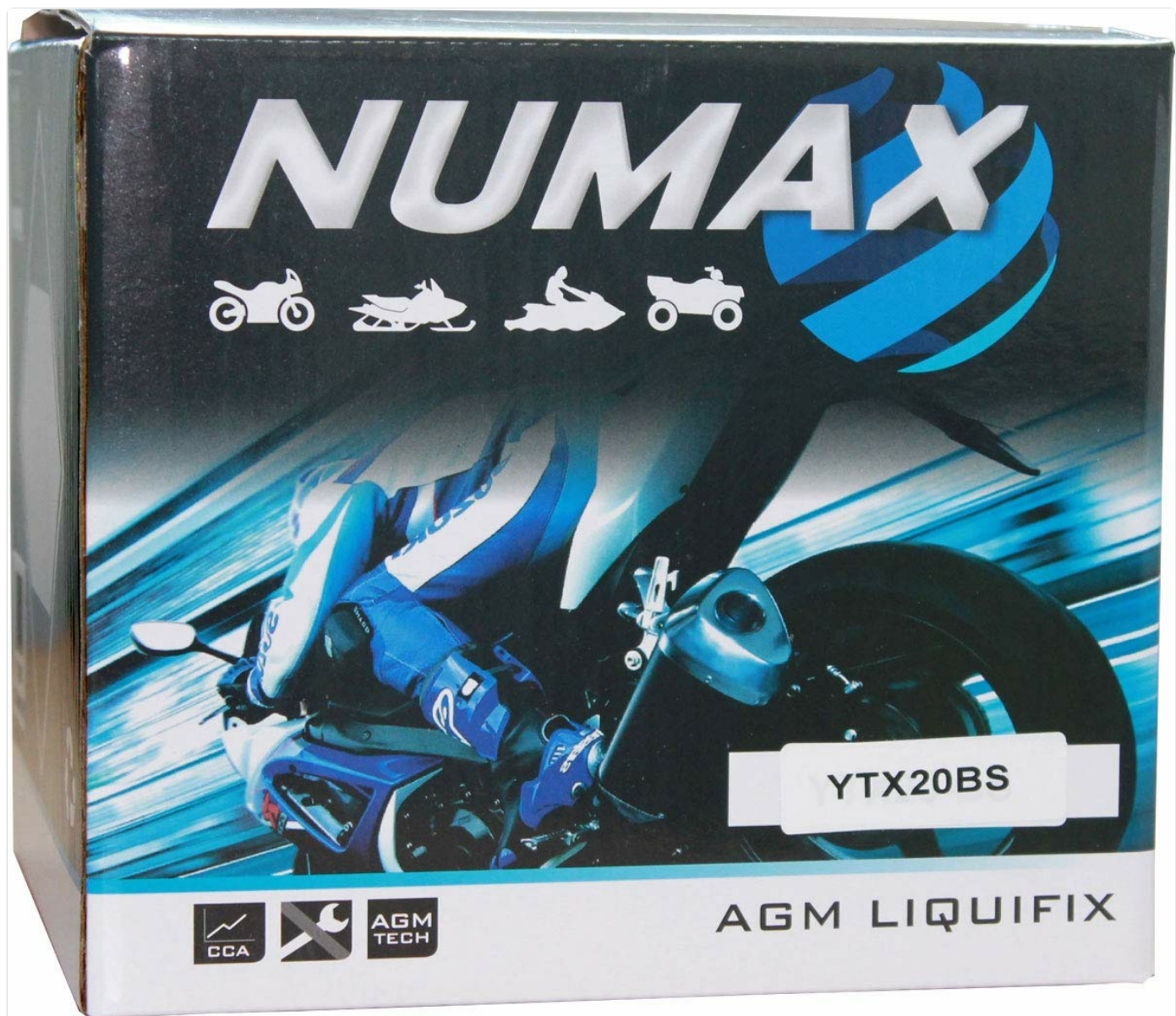


Figure 1: Numax AGM SLA YTX20-BS 12V 18AH Battery. This image shows the sealed battery unit with its terminals.

2. IMPORTANT SAFETY INSTRUCTIONS

Always follow these safety precautions to prevent injury or damage to the battery and equipment.

- **Wear Protective Gear:** Always wear eye protection and gloves when handling batteries.
- **Ventilation:** Ensure adequate ventilation when charging to disperse any gases.
- **Avoid Short Circuits:** Do not allow metal objects to bridge the battery terminals.
- **Keep Away from Flames:** Batteries can produce explosive gases. Keep sparks, flames, and smoking materials away.
- **Proper Disposal:** Dispose of old batteries responsibly according to local regulations. Do not incinerate.
- **Children and Pets:** Keep batteries out of reach of children and pets.

3. SETUP AND INITIAL CHARGE

Your Numax AGM SLA battery is sealed and maintenance-free. However, an initial charge is required before first use to ensure optimal performance and longevity.

- 1. **Inspection:** Visually inspect the battery for any signs of damage, such as cracks or leaks. Do not use a damaged battery.
- 2. **Terminal Cleaning:** Ensure the battery terminals are clean and free of corrosion.
- 3. **Initial Charge:** Connect the battery to an appropriate 12V battery charger. Perform an initial charge for at least 1 hour. Refer to your charger's manual for specific instructions.
- 4. **Installation:** Once charged, install the battery in your vehicle according to the vehicle manufacturer's instructions. Ensure terminals are securely connected (positive to positive, negative to negative).

4. OPERATING GUIDELINES

The Numax AGM SLA battery is designed for reliable starting power and general vehicle operation.

- **Regular Use:** For optimal battery life, use your vehicle regularly to keep the battery charged.
- **Avoid Deep Discharge:** Do not allow the battery to discharge completely, as this can reduce its lifespan.
- **Charging System Check:** Periodically check your vehicle's charging system to ensure it is functioning correctly and not overcharging or undercharging the battery.

5. MAINTENANCE

While the Numax AGM SLA battery is maintenance-free in terms of electrolyte levels, some general care is recommended.

- **Terminal Cleanliness:** Keep battery terminals clean and free of corrosion. Use a wire brush and a mixture of baking soda and water if corrosion is present. Rinse with clean water and dry thoroughly.
- **Secure Connections:** Ensure terminal connections remain tight to prevent power loss and arcing.
- **Storage:** If storing the battery for an extended period, ensure it is fully charged and stored in a cool, dry place. Periodically recharge it every 3-6 months to prevent self-discharge.
- **Case Integrity:** Regularly inspect the battery case for any physical damage.

6. TROUBLESHOOTING

Here are some common issues and potential solutions for your battery.

Problem	Possible Cause	Solution
Engine cranks slowly or not at all	Low battery charge; Loose or corroded terminals; Faulty starter motor	Recharge battery; Clean and tighten terminals; Have starter motor checked by a professional
Battery not holding a charge	Faulty charging system (alternator/regulator); Parasitic drain; Battery at end of life	Have charging system checked; Identify and fix parasitic drain; Replace battery
Battery case is swollen or cracked	Overcharging; Physical damage	Immediately discontinue use. Replace battery and have charging system checked.

7. SPECIFICATIONS

- **Model:** NTX20-BS SLA
- **Type:** AGM SLA Sealed Battery (VRLA Lead-Acid)
- **Voltage:** 12 Volts
- **Capacity:** 18 AH (Ampere-Hours)
- **Cold Cranking Amps (EN):** 270 AMPS EN
- **Number of Cells:** 6
- **Terminal Type:** SAE Terminal
- **Dimensions (LxWxH):** 175mm x 87mm x 155mm
- **Vehicle Service Type:** Motorcycle
- **Country of Origin:** Vietnam

8. WARRANTY INFORMATION

This Numax battery comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase for any warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, neglect, improper installation, overcharging, or physical abuse.

9. SUPPORT

For further assistance or technical support regarding your Numax battery, please contact your retailer or the official Numax customer service. When contacting support, please have your battery model number (NTX20-BS SLA) and proof of purchase readily available.

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