BURCHDA AZ26

BURCHDA AZ26 Electric Bicycle User Manual

Model: AZ26

1. Product Overview

The BURCHDA AZ26 Electric Bicycle is designed for adults, offering a powerful and efficient commuting experience. It features a robust motor, a long-range removable battery, and fat tires suitable for various terrains, including city roads and off-road trails.



Figure 1.1: The BURCHDA AZ26 Electric Bicycle.

Key Features:

- **1000W Powerful Brushless Motor:** Equipped with a strong brushless motor, boosting the max speed up to 30 MPH.
- **48V 20Ah Removable Lithium-ion Battery:** Achieves a range of up to 31-37 miles per charge (throttle) or 60+ km (pedal assist). The removable design allows for convenient charging.
- **Intuitive LCD Display:** Shows speed, battery charge, pedal assist level, travel distance, and includes a USB charging port.
- **26" x 3.0" Fat Tires:** Designed for adaptability across various road surfaces, offering wear resistance and improved grip for a comfortable and safe ride.
- **7-Speed System:** Enables riders to choose the appropriate speed for different riding conditions.
- **Safety Features:** Front and rear mechanical disc brakes, bright headlight, and adjustable rear light for enhanced visibility. Half-twist throttle helps prevent accidental activation.



Figure 1.2: The multi-functional LCD display provides real-time riding data.



*Figure 1.3: 26*3.0 inch fat tires are suitable for urban commuting and various terrains.*



Figure 1.4: The AZ26 offers three distinct riding modes for versatility.

2. Setup and Assembly

The BURCHDA AZ26 electric bicycle comes largely pre-assembled. This section provides a step-by-step guide to complete the final assembly and prepare your bike for its first ride. For a visual guide, please refer to the installation video below.

Your browser does not support the video tag.

Video 2.1: Official installation guide for the BURCHDA AZ26 electric bike. This video demonstrates the unboxing, component identification, and assembly process.

Assembly Steps:

1. **Unboxing and Component Check:** Carefully open the packaging and remove all components. Verify that all parts listed in the packing list are present, including the main bike frame, front wheel, fenders, pedals, charger, and tool kit.
2. **Handlebar Installation:** Attach the handlebars to the stem. Ensure they are centered and tightened securely using the

provided tools.

3. **Front Wheel Installation:** Remove the protective caps from the front fork. Align the front wheel with the fork, ensuring the disc brake rotor slides correctly into the caliper. Secure the wheel using the quick-release skewer or axle nuts.
4. **Fender Installation:** Attach the front and rear fenders to their designated mounting points on the frame and fork. Ensure they are securely fastened and do not interfere with wheel rotation.
5. **Headlight Installation:** Mount the front headlight to the designated bracket on the front fork or handlebars. Connect the power cable if applicable.
6. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms, ensuring to tighten them firmly with a wrench. Note that the left pedal has a reverse thread.
7. **Seat Adjustment:** Insert the seat post into the frame's seat tube. Adjust the seat height to a comfortable riding position and secure it using the quick-release lever or bolt.
8. **Battery Installation/Check:** Ensure the removable battery is securely seated within the frame. If removed for shipping, reinsert it and lock it into place with the key.
9. **Initial Charge:** Before your first ride, fully charge the battery using the provided charger. Refer to the "Maintenance" section for charging instructions.
10. **Display Activation:** Power on the bike using the designated button on the handlebars or display. Check that the LCD display illuminates and shows battery level and other information.

3. Operating Your Electric Bicycle

Understanding the operating modes and controls of your BURCHDA AZ26 is essential for a safe and enjoyable ride.

Riding Modes:

- **Human Riding Mode:** This is the traditional bicycle mode where you rely solely on pedal power. The motor is disengaged, and you ride the bike like a standard bicycle.
- **Electric Mode (Throttle):** Engage the motor directly using the half-twist throttle. This mode provides power without pedaling, similar to a moped. The maximum speed in this mode is approximately 30 MPH (50 KM/H).
- **Intelligent Power-Assisted Mode (Pedal Assist System - PAS):** This mode provides motor assistance as you pedal. The level of assistance can be adjusted via the LCD display. This mode extends your range and makes pedaling easier, especially on inclines. The maximum speed in this mode is approximately 28 MPH (45 KM/H).

LCD Display Functions:

The intuitive LCD display provides crucial information at a glance:

- **Battery Level:** Indicates the remaining charge of your battery.
- **PAS Level:** Shows the current level of pedal assistance (e.g., 1-5).
- **Walk Boost:** A low-speed assist mode for walking the bike.
- **Speed Display:** Shows your current speed in KM/H or MPH.
- **Cruise Control:** Allows you to maintain a constant speed without holding the throttle.
- **Travel Distance:** Tracks the distance covered during your ride.
- **USB Charging Port:** Conveniently located on the display to charge your phone or other devices.

Your browser does not support the video tag.

Video 3.1: This video showcases the BURCHDA AZ26 electric bicycle in action, highlighting its features and riding capabilities.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your BURCHDA AZ26 electric bicycle.

Battery Care and Charging:

- **Charging:** Use only the original charger provided with your bicycle. Connect the charger to the charging port on the bike (or directly to the battery if removed). The charging time is typically 6-8 hours for a full charge.
- **Storage:** If storing the bike for an extended period, ensure the battery is charged to about 50-70% and store it in a cool, dry place. Avoid fully discharging the battery for long periods.
- **Safety:** Do not expose the battery to extreme temperatures or direct sunlight. Avoid puncturing or damaging the battery pack.



Figure 4.1: The large capacity 48V 20Ah removable battery.

General Maintenance Tips:

- **Tires:** Regularly check tire pressure and inflate to the recommended PSI for optimal performance and safety. Inspect tires for wear and tear.
- **Brakes:** Periodically check the front and rear mechanical disc brakes for proper function. Ensure brake pads are not excessively worn and adjust as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Fasteners:** Regularly inspect all bolts, nuts, and quick-release levers to ensure they are tight and secure.
- **Cleaning:** Clean your e-bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.

5. Troubleshooting

This section addresses common issues you might encounter with your electric bicycle. For more complex problems, please contact customer support.

- **Bike Not Powering On:**
  - Ensure the battery is fully charged and properly installed.
  - Check that the battery is locked into place with the key.
  - Verify all electrical connections are secure.
- **Motor Not Assisting:**
  - Check the battery level on the LCD display.
  - Ensure the correct pedal assist (PAS) level is selected.
  - Verify that the brake levers are not partially engaged, as this can cut motor power.
- **Unusual Noises:**
  - Inspect the chain for proper lubrication and tension.
  - Check for loose components or debris caught in the wheels or drivetrain.
  - Ensure brake calipers are not rubbing against the rotors.

If you experience persistent issues or problems not covered here, please contact BURCHDA customer support for assistance.

6. Specifications

Feature	Detail
Bike Type	Electric Bike
Age Range (Description)	Adult
Brand	BURCHDA
Model Name	AZ26
Motor	1000W Brushless Motor
Battery	48V 20Ah Lithium-ion (Removable)
Max Speed (Pedal Assist)	45 KM/H (approx. 28 MPH)

Feature	Detail
Max Speed (Throttle)	50 KM/H (approx. 30 MPH)
Range (Pedal Assist)	60+ Kilometer (approx. 37+ miles)
Range (Throttle)	30+ Kilometer (approx. 18+ miles)
Wheel Size	26 Inches
Wheel Width	3 Inches
Number of Speeds	7
Frame Material	Aluminum
Suspension Type	Front
Brake Style	Disc
Item Weight	34 Kilograms (approx. 75 lbs)
Maximum Weight Recommendation	180 Kilograms (approx. 396 lbs)
Minimum User Height	5'4" (162 cm)
Color	Blue
Included Components	Tool Kit



Figure 6.1: Detailed dimensions and recommended rider height for the AZ26 model.

7. Warranty and Support

BURCHDA stands behind the quality of its products. Please review the warranty information and contact details for support.

Warranty Terms:

- **Frame, Motor, and Battery:** Covered by a 365-day (1-year) warranty from the date of purchase.
- This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage from misuse, accidents, or unauthorized modifications.

Customer Support:

For any questions, technical assistance, or warranty claims, please feel free to contact BURCHDA Ebike Store directly. Contact information can typically be found on your purchase receipt or through the seller's page on the platform where you purchased the product.

You can visit the official BURCHDA store page for more information:BURCHDA Ebike Store

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question