Tumotcy ES9(1000w)

Tumotcy ES9 Electric Bike

User Manual

Model: ES9 (1000W)

1. Important Safety Information

Please read this manual carefully before operating your Tumotcy ES9 Electric Bike. Failure to follow safety instructions can result in serious injury or damage to the product.

- Always wear a helmet and appropriate safety gear when riding.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and lights.
- Do not ride under the influence of alcohol or drugs.
- Adhere to local traffic laws and regulations.
- Avoid riding in extreme weather conditions or on excessively slippery surfaces.
- Ensure the battery is securely locked in place before riding.
- Do not attempt to modify the bike's electrical system or motor.
- Keep hands and feet clear of moving parts.

2. Product Overview

The Tumotcy ES9 Electric Bike is designed for versatile riding, offering a powerful motor, long-range battery, and robust construction suitable for various terrains.



Figure 2.1: Tumotcy ES9 Electric Bike with included helmet, rearview mirror, phone holder, and lock.



Figure 2.2: Illustration of the 1000W brushless motor, providing 70Nm torque and a top speed of 32MPH.



Figure 2.3: The removable 52V 23Ah lithium battery, offering an extended range of 37-75 miles per charge.



Figure 2.4: The backlit LCD display, showing speed, mileage, battery level, and PAS modes.



Figure 2.5: Depiction of the dual suspension system, including stronger downhill forks and hydraulic damping, alongside the comfortable foam saddle.



Figure 2.6: The 26" x 4" fat tires, designed for superior grip and stability across various terrains including snow, sand, gravel, and city roads.



Figure 2.7: Dimensions of the ES9 Electric Bike, showing total length of 78", total height of 42.6", and seat height of 33.86". Suitable for riders 162-195cm (5'3"-6'4") with a maximum load of 550 lbs.

Key Features:

- **High-Performance Motor:** 1000W brushless motor, 32MPH top speed, 7-speed gear system.
- **Long-Range Battery:** Removable 52V 23Ah battery, 37-75 miles range, waterproof and anti-theft design.
- **Superior Suspension & Brakes:** Dual hydraulic disc brakes and front/rear shock absorbers for safety and comfort.
- **Riding Modes & Assist Levels:** 6 riding modes (Dual/Single Motor, Pedal Assist, Walk, Cruise, Bike Mode) and 5 power assist levels.
- **All-Terrain Fat Tires:** 26" x 4" fat tires for various surfaces.
- **Smart Features:** Bright LED headlight/taillight, backlit LCD display, comfy seat, and spare key.

3. Setup and Assembly

Your Tumotcy ES9 Electric Bike arrives 90% pre-assembled. The following steps outline the final assembly process. Tools are included in the package.

Included Components:

- 90% Assembled Bike
- Motor (integrated)
- Lithium Battery
- LCD Display
- Phone Holder
- Charger
- Front and Rear Fenders
- Front and Rear Suspension (integrated)
- Headlight
- Tail Light
- Horn
- 2 Battery Keys
- User Manual (this document)
- 26" Fat Tires (pre-installed)
- Saddle and Seat Post
- Right and Left Pedals
- Kickstand
- Install Tools

Assembly Steps:

1. **Unpack the Bike:** Carefully remove the bike and all components from the packaging. Retain packaging for potential returns.
2. **Install the Handlebars:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Attach the Front Wheel (if detached):** Align the front wheel with the fork and secure it using the quick-release skewer or axle nuts. Ensure the disc brake rotor is correctly seated in the caliper.
4. **Install Pedals:** Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Tighten them firmly.
5. **Adjust Seat Post:** Insert the seat post with the saddle into the frame's seat tube. Adjust the height for comfortable riding and secure it with the quick-release clamp.
6. **Install Fenders:** Attach the front and rear fenders using the provided hardware.
7. **Install Headlight and Taillight:** Secure the headlight to the front and the taillight to the rear, connecting any necessary wiring.
8. **Install Phone Holder and Rearview Mirror:** Attach these accessories to the handlebars as desired.
9. **Charge the Battery:** Before first use, fully charge the battery. Refer to the "Battery Charging" section for details.
10. **Final Inspection:** Double-check all bolts, nuts, and quick releases to ensure they are tight and secure. Test the brakes and tire pressure.

4. Operating Instructions

4.1 Powering On/Off

- **To Power On:** Insert the key into the battery lock and turn it to the "ON" position. Then, press and hold the power button on the LCD display for a few seconds.

- **To Power Off:** Press and hold the power button on the LCD display until the screen turns off. Turn the key to the "OFF" position and remove it for security.

4.2 Riding Modes and Assist Levels

The ES9 offers multiple riding modes and adjustable pedal assist levels to suit your preference and terrain.

- **Pedal Assist Mode (PAS):** Provides motor assistance as you pedal. Use the '+' and '-' buttons on the display to cycle through 5 assist levels (Level 0: No assist, Level 5: Maximum assist).
- **Throttle Mode:** Engage the throttle for motor power without pedaling.
- **Bike Mode:** Ride as a traditional bicycle with no motor assistance.
- **Walk Mode:** Provides low-speed assistance (approx. 3-4 mph) for walking the bike.
- **Cruise Mode:** Maintains a set speed without continuous throttle input (refer to LCD manual for activation).
- **Dual/Single Motor Mode:** For models with dual motors, switch between single or dual motor operation for varied power output.

4.3 Gear Shifting (7-Speed)

The 7-speed gear system allows you to adjust pedaling effort for different inclines and speeds.

- Use the shifter on the right handlebar to change gears.
- Shift to lower gears (larger cogs) for easier pedaling on inclines.
- Shift to higher gears (smaller cogs) for faster speeds on flat terrain.
- Always pedal lightly when shifting gears for smooth transitions and to prevent damage to the drivetrain.

4.4 Braking System

The ES9 is equipped with dual hydraulic disc brakes for reliable stopping power.

- The right lever controls the rear brake, and the left lever controls the front brake.
- Apply both brakes simultaneously for optimal stopping performance and control.
- Avoid sudden, hard braking, especially with the front brake, to prevent skidding.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your electric bike.

5.1 Battery Care and Charging

- Use only the original charger provided with your bike.
- Charge the battery in a dry, well-ventilated area, away from flammable materials.
- Do not overcharge the battery; disconnect the charger once fully charged.
- Store the battery in a cool, dry place, ideally between 50% and 80% charge if storing for extended periods.
- Avoid fully discharging the battery frequently, as this can reduce its lifespan.

5.2 Tire Maintenance

- Check tire pressure before each ride. Recommended pressure is usually indicated on the tire sidewall.
- Inspect tires for wear, cuts, or embedded objects regularly.

5.3 Brake System Check

- Regularly check brake levers for proper tension and responsiveness.
- Inspect brake pads for wear and replace them when necessary.

- Ensure brake rotors are clean and free of oil or grease.

5.4 General Cleaning and Lubrication

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- Lubricate the chain periodically with bicycle-specific chain lubricant, especially after riding in wet conditions.
- Check and tighten all bolts and fasteners periodically.

6. Troubleshooting

This section addresses common issues you might encounter with your Tumotcy ES9 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, battery key not in "ON" position, loose battery connection, power button not pressed correctly.	Charge battery, ensure key is "ON", check battery connection, press power button firmly.
Motor not assisting.	PAS level is 0, battery low, brake levers engaged, motor cable loose.	Increase PAS level, charge battery, release brake levers, check motor cable connection.
Brakes feel weak or noisy.	Worn brake pads, contaminated rotors, loose caliper.	Inspect and replace brake pads, clean rotors with disc brake cleaner, tighten caliper bolts.
Gears are not shifting smoothly.	Derailleur out of adjustment, dirty/dry chain, bent hanger.	Adjust derailleur (consult a bike mechanic if unsure), clean and lubricate chain, check for bent hanger.
LCD display not working.	Loose cable connection, display damaged, battery issue.	Check all display cable connections, ensure battery is charged and connected. If problem persists, contact support.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Tumotcy customer support.

7. Specifications

Feature	Detail
Bike Type	Electric Bike
Model Name	ES9 Series
Motor	1000W Brushless Motor
Top Speed	Up to 32 MPH
Battery	52V 23Ah Removable Lithium Battery (1196 Watt Hours)
Range per Charge	37-75 Miles (varies by load, battery, and terrain)
Number of Speeds	7-Speed Gear System

Feature	Detail
Wheel Size	26 Inches (26" x 4" Fat Tires)
Frame Material	Aluminum
Suspension Type	Dual (Front and Rear Shock Absorbers)
Brake Style	Dual Hydraulic Disc Brakes
Maximum Weight Recommendation	550 Pounds
Item Weight	82.5 Pounds
Assembly Required	Yes (90% pre-assembled)
Color	White
UPC	751007642105

8. Warranty and Support

Tumotcy is committed to providing high-quality products and excellent customer service.

8.1 Warranty Information

- **Parts Replacement:** Enjoy 180-day parts replacement 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, unauthorized modifications, or normal wear and tear.
- For faster service, photos and/or videos of the issue may be requested to assess efficiently.

8.2 Return Policy

- A 30-day return policy is available. Please ensure original packaging is retained for returns.

8.3 Customer Support

For any questions, concerns, or assistance with your Tumotcy ES9 Electric Bike, please contact our customer support team. We aim to respond within 24 hours.

Please refer to your purchase platform or the Tumotcy official website for specific contact details.

© 2024 Tumotcy. All rights reserved.
This manual is subject to change without notice.