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Tomofree TK300-01

Tomofree TK300 Electric Bike User Manual

Model: TK300-01

1. INTRODUCTION AND SAFETY GUIDELINES

Thank you for choosing the Tomofree TK300 Electric Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference. Failure to follow these instructions can result in serious injury or product damage.

Important Safety Information:

- Always wear a helmet that meets safety standards when riding.
- Familiarize yourself with local laws and regulations regarding electric bicycles.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and all fasteners.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on excessively rough terrain if you are not experienced.
- Ensure the battery is securely locked in place before riding.

2. PRODUCT OVERVIEW

The Tomofree TK300 is a high-performance electric dirt bike designed for various terrains. It features a powerful dual 3500W brushless motor, a long-lasting 48V 40Ah removable dual battery system, and full suspension for a comfortable ride. Its 20-inch fat tires provide superior traction, making it suitable for snow, sand, mountain, and city roads.



The Tomofree TK300 Electric Bike, showcasing its robust design and fat tires.

Key Features:

- **High Speed Dual Motor Power:** Dual 48V motor system with a peak output of 3500W, offering speeds up to 40MPH.
- **Long Lasting Dual Battery:** High-capacity 48V 40Ah battery providing an average range of 40-100 miles.
- **Ultimate Safety and Comfort:** Dual Hydraulic Disc Brakes and Full Suspension (front and rear shock absorbers).
- **Rugged 20x4 Inch Fat Tires:** Superior traction on sand, snow, gravel, or rough trails.
- **Unique and Striking Aluminum Design:** Durable 6061 aluminum alloy frame.

Professional 7-Speed Gear



Illustration of the powerful dual 3500W peak power motors integrated into the wheels.

48V 40AH Removable Li-ion Battery

Direct Charging



Removable Charging



2 Charging Methods

Direct Charging



6-7 Hours

(Full Charge)



80-100 Miles

(Max Range)



IP65

(Waterproof)



Detailed view of the 48V 40AH removable Li-ion battery, highlighting direct and removable charging methods.

3. SETUP AND INITIAL ASSEMBLY

Your Tomofree TK300 Electric Bike may require some assembly upon arrival. Please follow these steps carefully.

3.1 Unboxing and Inspection

- Carefully remove all components from the packaging.
- Inspect for any shipping damage. Contact customer support immediately if you find any issues.
- Ensure all parts listed in the packing list are present. A tool kit is included.

3.2 Handlebar and Front Wheel Installation

Attach the handlebars and front wheel according to the included quick start guide. Ensure all bolts are tightened securely to the manufacturer's specifications.

3.3 Seat and Pedal Installation

Install the seat post and pedals. Adjust the seat height for a comfortable and safe riding position. The recommended height for riders is 5'2" to 6'5".



Diagram illustrating the dimensions of the Tomofree TK300 and recommended rider height and maximum load capacity (350 LBS).

3.4 Battery Charging and Installation

Before your first ride, fully charge the 48V 40Ah removable lithium battery. Charging typically takes 4-6 hours. The battery can be charged directly on the bike or removed for charging. Once charged, securely install the battery into its compartment and lock it.

3.5 Tire Inflation

Inflate the 20"x4.0" fat tires to the recommended pressure indicated on the tire sidewall. Proper tire pressure is crucial for safety, performance, and battery range.

20" x 4.0 Fat Tires



Snow Road



Mountain Road



Sand Road



City Road



Image highlighting the 20" x 4.0" fat tires and their suitability for various terrains including snow, mountain, sand, and city roads.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and Display

To power on the bike, press and hold the power button on the intelligent LCD display. The display will show speed, battery level, pedal assist level, and other ride data. Press and hold the power button again to turn off the bike.



View of the intelligent handlebar control, including the LCD display, headlight, and taillight controls.

4.2 Riding Modes

The TK300 offers multiple riding modes:

- **Pedal Assist Mode:** The motor provides assistance as you pedal. Adjust the assist level via the display controls.
- **Throttle Mode:** Use the twist throttle for power without pedaling.
- **Manual Mode:** Ride as a traditional bicycle without motor assistance.

4.3 Gear Shifting

The bike is equipped with a Shimano 7-speed gear system. Use the shifter on the handlebar to change gears, allowing you to adapt to different terrains and inclines efficiently.



Recommended Height
5'2"-6'5"



Ebike Weight
55 LBS



Load Capacity
MAX 350 LBS



- A. Total Length 64.6"
- B. Handlebar Height 40.2"
- C. Wheelbase 43.3"
- D. Seat height 30.7"
- E. Seat Length 18.9"
- F. Chain Stay Length 18.9"
- G. Stand Height 10.6"
- H. Wheel Diameter 21.7"
- I. Head Tube Length 3.9"
- J. Handlebar Length 31.5"



Close-up of the professional 7-speed gear system and the front and rear oil brakes.

4.4 Braking System

The Tomofree TK300 features dual hydraulic disc brakes for reliable stopping power. Always apply both brakes simultaneously for optimal control and safety. Test your brakes before each ride.

Intelligent handlebar control



Headlight



Tail light



Detailed view of both the front and rear disc brakes, emphasizing their hydraulic design.

4.5 Headlight and Taillight

The integrated LED headlight and taillight enhance visibility during low-light conditions. Operate them via the controls on the handlebar.

5. MAINTENANCE

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

5.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not expose the battery to water or moisture. The battery has an IP5 waterproof level.

5.2 Tire Maintenance

- Check tire pressure before each ride and inflate to the recommended PSI.
- Inspect tires for wear, punctures, or damage.

5.3 Brake System

- Regularly check brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. If they feel spongy, the hydraulic system may need bleeding by a professional.

5.4 Chain and Drivetrain

- Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- Inspect gears and derailleur for proper alignment and function.

5.5 Suspension System

The TK300 features dual front and rear shock absorbers. Periodically inspect the suspension components for any signs of damage or leaks. Keep them clean from dirt and debris.



5.6 General Cleaning

Clean your bike with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Tomofree TK300 Electric Bike.

6.1 Bike Not Powering On

- **Check Battery:** Ensure the battery is fully charged and securely installed.
- **Battery Connection:** Verify that the battery is properly connected and locked.
- **Power Button:** Make sure you are pressing and holding the power button correctly.

6.2 Motor Not Engaging / No Pedal Assist

- **Battery Level:** Check if the battery has sufficient charge.
- **Pedal Assist Level:** Ensure a pedal assist level (PAS) is selected on the display.
- **Brake Levers:** Some e-bikes have safety cut-off switches on the brake levers. Ensure brake levers are not partially engaged.

6.3 Brakes Feel Spongy or Ineffective

- **Brake Pads:** Inspect brake pads for wear. Replace if worn out.
- **Hydraulic Fluid:** The hydraulic system may need bleeding. This should be done by a qualified bicycle mechanic.
- **Cable Tension (if applicable):** For mechanical brakes, check cable tension. (Note: TK300 has hydraulic, so this is less likely but good general advice).

6.4 Unusual Noises

- **Loose Components:** Check all bolts and fasteners for tightness.
- **Chain:** Lubricate the chain if it's squeaking.
- **Brakes:** Squealing brakes might indicate dirty pads or rotors, or improper alignment.

For issues not covered here, please contact Tomofree customer support.

7. SPECIFICATIONS

Feature	Specification
Model	TK300-01
Motor	Dual 3500W Brushless (48V)
Max Speed	Up to 40 MPH (Pedal Assisted)

Feature	Specification
Battery	48V 40Ah Removable Lithium-ion
Max Range	40-100 Miles (depending on mode/terrain)
Charging Time	4-6 Hours
Brakes	Dual Hydraulic Disc Brakes
Tires	CST 20"x4.0" Fat Tires
Suspension	Full Suspension (Front & Rear Dual Shock)
Gears	Shimano 7-Speed
Frame Material	6061 Aluminum Alloy
Max Load	350 LBS
Recommended Height	5'2" - 6'5" (approximate)
Waterproof Level	IP5
Included Components	Tool Kit

8. WARRANTY AND SUPPORT

Tomofree provides comprehensive support for your TK300 Electric Bike.

8.1 Warranty Information

Your Tomofree TK300 Electric Bike comes with **12 Months protection for batteries, motors, and controllers**. This warranty covers manufacturing defects under normal use. Please retain your original purchase receipt and the original packaging for any warranty claims.

8.2 Technical Support

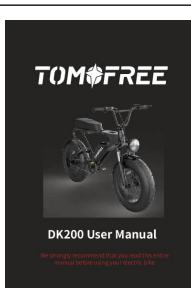
We offer **lifetime technical support** for your product. If you encounter any issues or have questions regarding the operation, maintenance, or troubleshooting of your TK300, please do not hesitate to contact our customer service team.

8.3 Contact Information

For support, please visit the official Tomofree website or refer to your purchase documentation for specific contact details. When contacting support, please have your model number (TK300-01) and purchase date ready.

Please keep the original box for a period, as it may be required for returns or warranty service.

Related Documents - TK300-01

 <p>Explore Trek Series MODEL XT200 Electric Bike by TOMFREE tomofree.com</p>	<p><u>Tomofree XT200 Electric Bike User Manual and Specifications</u> Comprehensive user manual for the Tomofree XT200 Electric Bike, covering specifications, assembly, operation, safety, maintenance, troubleshooting, and warranty information.</p>
 <p>TOMFREE Model T1 Manual</p>	<p><u>Tomofree Model T1 Foldable Electric Bike User Manual - Specifications, Installation, and Maintenance</u> This comprehensive manual provides detailed information for the Tomofree Model T1 foldable electric bike, including specifications, package contents, overview, installation steps, dashboard and remote functions, battery care, maintenance guidelines, and warranty details.</p>
 <p>TOMFREE Model S1PRO Manual</p>	<p><u>TOMOFREE S1PRO Electric Bike User Manual</u> Comprehensive user manual for the TOMOFREE S1PRO electric bicycle, covering specifications, package contents, installation, operation, battery care, maintenance, troubleshooting, and warranty information.</p>
 <p>Thunder Series MODEL T1PRO Electric Bike by TOMFREE tomofree.com</p>	<p><u>Tomofree T1PRO Electric Bike User Manual and Safety Guide</u> Comprehensive user manual and safety guide for the Tomofree T1PRO Electric Bike, covering specifications, assembly, operation, maintenance, troubleshooting, and warranty information. Learn how to safely operate and maintain your e-bike.</p>
 <p>TOMFREE DK200 User Manual <small>We strongly recommend that you read this guide thoroughly before using your electric bike</small></p>	<p><u>Tomofree DK200 Electric Bike User Manual</u> Comprehensive user manual for the Tomofree DK200 electric bike, covering assembly, operation, maintenance, warranty, and safety instructions.</p>
<p>16 inch Electric Bicycle User Manual <small>Model: T1</small> TOMFREE</p>	<p><u>TOMOFREE T1 16-inch Electric Bicycle User Manual</u> Comprehensive user manual for the TOMOFREE T1 16-inch electric bicycle, covering specifications, operation, battery care, maintenance, troubleshooting, and warranty information.</p>