Misodo F30

Misodo F30 Electric Bike User Manual

Model: F30 | Brand: Misodo

1. Introduction

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Misodo F30 Electric Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience. Retain this manual for future reference.

2. Safety Information

Always prioritize safety when operating your electric bike. Failure to follow safety guidelines can result in serious injury or damage to the bike.

- **Wear a Helmet:** Always wear an approved helmet that fits correctly.
- **Obey Local Laws:** Familiarize yourself with and obey all local traffic laws and regulations regarding electric bikes.
- **Pre-Ride Check:** Before each ride, inspect the brakes, tires, battery level, and all fasteners to ensure they are secure and functioning correctly.
- **Visibility:** Use the bike's lighting system and wear reflective clothing, especially when riding in low-light conditions.
- **Weather Conditions:** Exercise caution when riding in wet, icy, or otherwise adverse weather conditions. Braking distances may increase.
- **Weight Limit:** Do not exceed the maximum load capacity of 365 lbs (165 kg).

3. Components Overview

The Misodo F30 Electric Bike features a robust design with advanced components for various riding conditions.



Figure 3.1: Main view of the Misodo F30 Electric Bike, showcasing its overall design and key components.

- **Frame:** Alloy Steel for durability.
- **Motor:** 1800W Peak Brushless Motor (750W continuous).
- **Battery:** 48V 20Ah Removable Lithium Battery.
- **Tires:** 20x4.0-inch Fat Tires.
- **Brakes:** Dual Hydraulic Disc Brakes.
- **Suspension:** Dual Front Suspension and Seat Shock Absorbers.
- **Display:** LCD Smart Screen.
- **Gears:** 7-Speed Transmission.

4. Setup and Initial Assembly

Your Misodo F30 Electric Bike requires some assembly before its first use. An installation tool set is included.

4.1 Unboxing and Inspection

1. Carefully remove all components from the packaging.
2. Inspect for any shipping damage. Contact customer support immediately if damage is found.
3. Verify all included components are present: Electric Bike, 48V 20Ah Battery, Charger, Installation Tool Set, User Manual.

4.2 Assembly Steps

1. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely.
2. **Front Wheel Installation:** Secure the front wheel into the fork dropouts. Ensure the quick-release lever or axle nuts are properly tightened.
3. **Pedal Installation:** Identify left (L) and right (R) pedals. Thread the pedals into the crank arms. Note that the left pedal is reverse-threaded. Tighten firmly with the included wrench.
4. **Seat Post and Saddle:** Insert the seat post into the frame and adjust to a comfortable height. Secure with the quick-release clamp.
5. **Battery Installation:** Insert the fully charged battery into its compartment and ensure it locks securely.

4.3 Initial Battery Charging

Before your first ride, fully charge the battery. Refer to Section 6 for detailed battery information.

5. Operating Instructions

5.1 Powering On/Off

To power on the bike, press and hold the power button on the LCD display. To power off, press and hold the power button again.

5.2 NFC and Password Unlock

The Misodo F30 features NFC card and password input for unlocking. Present your NFC card to the designated area on the display or enter your password to activate the bike. This system eliminates the need for physical keys.

5.3 LCD Smart Screen Functions

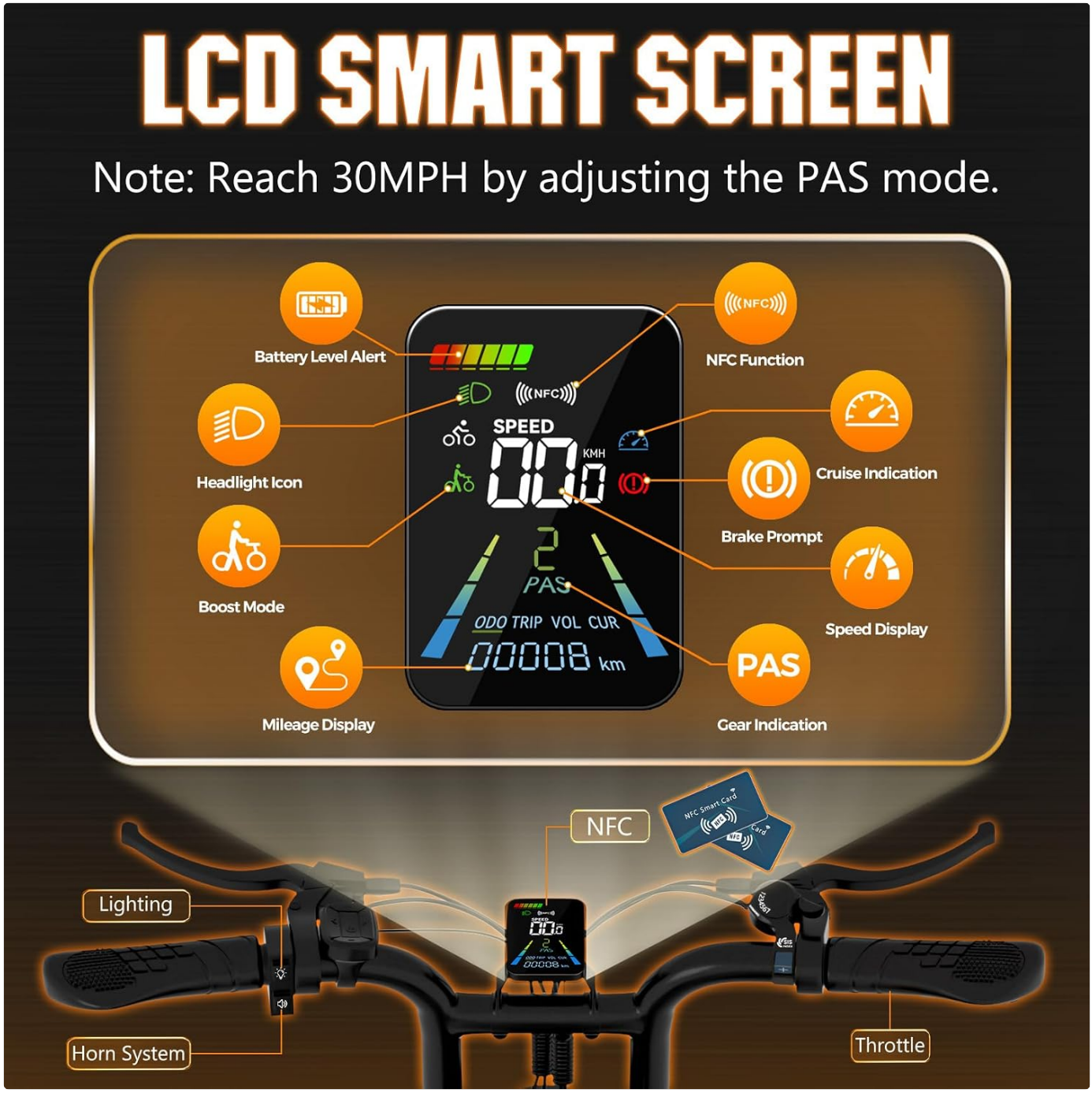


Figure 5.1: The LCD Smart Screen displays critical riding information and allows for mode adjustments.

The LCD Smart Screen provides real-time information and allows control over various bike functions:

- **Battery Level Alert:** Indicates remaining battery charge.
- **Speed Display:** Shows current riding speed.
- **Mileage Display:** Tracks trip distance (ODO, TRIP).
- **PAS Level:** Displays the current Pedal Assist System level (0-5).
- **Headlight Icon:** Indicates headlight status.
- **NFC Function:** Indicates NFC status.
- **Cruise Indication:** Shows when cruise control is active.
- **Brake Prompt:** Alerts when brakes are applied.
- **Boost Mode:** Indicates when boost mode is active.
- **Gear Indication:** Shows the current mechanical gear.

5.4 Throttle and Gear Shifting

- **Throttle:** The right-hand throttle provides power for pure electric mode. Twist gently to accelerate.
- **7-Speed Transmission:** Use the gear shifter on the handlebar to select appropriate gears for varying terrain and speed.

6. Riding Modes

The Misodo F30 offers multiple riding modes to suit different preferences and conditions.



Figure 6.1: Visual representation of the various riding modes available on the Misodo F30.

- **Pure Electric Mode:** Provides power solely from the motor via the throttle, ideal for quick acceleration or effortless cruising.
- **Pedal Assist System (PAS) Mode:** Offers 5 levels of motor assistance while you pedal. This mode extends range and reduces rider effort.
- **Cruise Control:** Maintains a set speed without continuous throttle input, suitable for long, consistent rides.
- **Boost Mode:** Provides a temporary surge of power for overcoming steep inclines or quick bursts of speed.
- **Manual 7-Speed Transmission:** Allows riding like a traditional bicycle, utilizing the 7 mechanical gears without motor assistance.

7. Battery Information

The Misodo F30 is equipped with a high-capacity removable battery.



Figure 7.1: The 48V 20Ah removable battery, highlighting its capacity, charging time, and safety features.

- **Type:** 48V 20Ah Removable Lithium Battery.
- **Capacity:** 960 Watt-hours (Wh).
- **Charging Time:** Approximately 6-8 hours for a full charge.
- **Range:** Up to 100 miles in PAS mode, approximately 40 miles in pure electric mode (actual range varies based on terrain, rider weight, and riding style).
- **Safety Features:** Integrated Battery Management System (BMS) for safety and efficiency, including overheat protection.
- **Charging Port:** The controller integrates a USB-C fast charging port for external devices.

7.1 Battery Care

- Charge the battery in a dry, well-ventilated area.
- Do not expose the battery to extreme temperatures.

- Avoid completely draining the battery to prolong its lifespan.
- Use only the charger provided by Misodo.

8. Motor and Performance

The Misodo F30 is powered by a high-torque brushless motor designed for various terrains.



Figure 8.1: Illustration of the 1800W peak brushless motor, highlighting its power and performance capabilities.

- **Motor Type:** Brushless Hub Motor.
- **Peak Power:** 1800W.
- **Continuous Power:** 750W.
- **Max Speed:** Up to 30 MPH (48 km/h).

- **Hill Climbing:** Capable of ascending inclines up to 45 degrees.

9. Suspension, Brakes, and Tires

The F30 is built for comfort and control across diverse environments.



Figure 9.1: The multiple shock absorber system, contributing to a smoother and more stable ride.

- **Suspension:** Dual front suspension forks and seat shock absorbers work together to absorb impacts and vibrations, providing a smoother ride on uneven surfaces.
- **Brakes:** Dual Hydraulic Disc Brakes offer responsive and reliable stopping power in various conditions.
- **Tires:** 20x4.0-inch fat tires with deep treads provide enhanced grip and stability on diverse terrains including snow, sand, gravel, and wet roads.



Figure 9.2: The 20-inch off-road tire designed for performance across various challenging road conditions.

10. Lighting System

The Misodo F30 includes a comprehensive lighting system for visibility and safety.



Figure 10.1: The bike's lighting system, including the bright headlight, wheel reflector, and rear brake/tail light.

- **Bright Headlight:** Illuminates the path ahead for night riding.
- **Safety Reflector:** Integrated into the wheels for side visibility.
- **Brake Light/Tail Light:** Enhances rear visibility and signals braking to others.

11. Maintenance

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

11.1 Daily Checks

- Check tire pressure before each ride.
- Verify brake lever function and ensure brakes engage properly.

- Inspect the chain for proper tension and lubrication.
- Ensure all quick-release levers and bolts are tightened.

11.2 Cleaning

- Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Keep the chain clean and lubricated.

11.3 Battery Maintenance

- Store the battery in a cool, dry place when not in use.
- If storing for extended periods, charge the battery to 50-70% every few months.

12. Troubleshooting

This section addresses common issues you might encounter with your Misodo F30 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated; power button not pressed correctly.	Ensure battery is fully charged and securely installed. Press and hold the power button firmly.
Motor not assisting or throttle not working	PAS level set to 0; loose motor cable connection; brake levers engaged.	Increase PAS level. Check all motor connections. Ensure brake levers are fully released.
Brakes feel weak or noisy	Worn brake pads; air in hydraulic system; contaminated rotors.	Inspect and replace brake pads if worn. Consult a professional for hydraulic system bleeding or rotor cleaning.
Unusual noises during riding	Loose components; chain issues; motor or wheel bearing problems.	Check all bolts and fasteners. Inspect and lubricate the chain. If noises persist, seek professional inspection.

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

13. Specifications

Detailed technical specifications for the Misodo F30 Electric Bike.

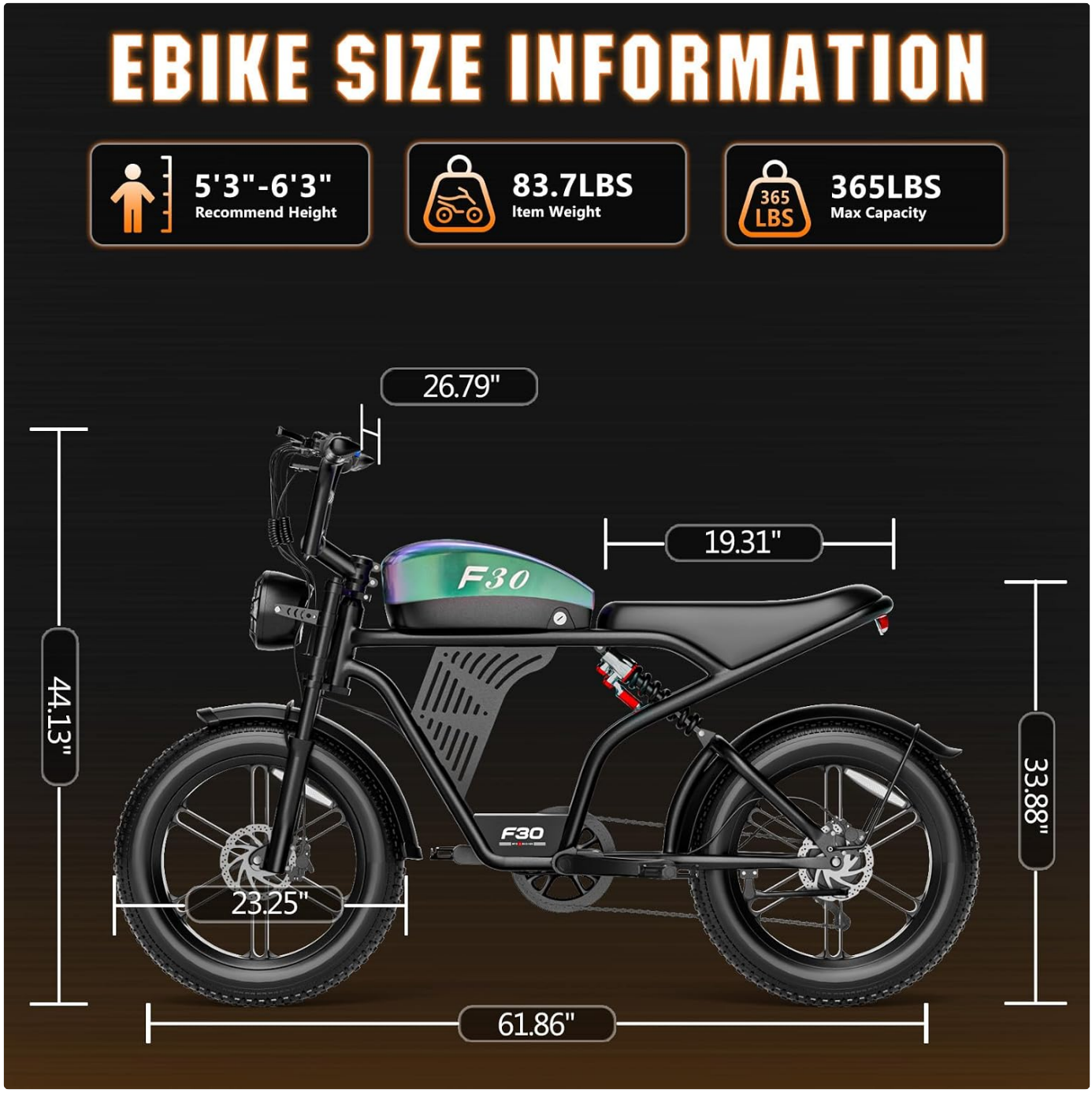


Figure 13.1: Dimensions and weight specifications for the Misodo F30 Electric Bike.

Feature	Specification
Bike Type	Electric Bike
Model Name	F30
Brand	Misodo
Age Range (Description)	Adult
Color	Black
Frame Material	Alloy Steel
Wheel Size	20 Inches
Wheel Material	Rubber

Feature	Specification
Motor	1800W Peak Brushless Motor (750W Continuous)
Battery	48V 20Ah Removable Lithium Battery
Lithium Battery Energy Content	960 Watt Hours
Number of Speeds	7
Suspension Type	Front (Dual front suspension & seat shock absorbers)
Brake Style	Dual Hydraulic Brake
Item Weight	83.7 lbs (38 kg)
Max Capacity	365 lbs (165 kg)
Assembly Required	Yes
Included Components	Installation Tool Set*1
Item Package Dimensions L x W x H	52.3 x 25.2 x 9.5 inches

14. Warranty and Support

14.1 Warranty Information

The Misodo F30 Electric Bike comes with a **36-month warranty** from the date of purchase, covering manufacturing defects in materials and workmanship. This warranty does not cover normal wear and tear, misuse, accidents, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

14.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Misodo F30 Electric Bike, please contact Misodo customer support. Refer to the contact information provided with your purchase documentation or visit the official Misodo website.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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

Answered questions about this manual

I just bought my Misodo F30 electric bike on eBay, and the battery is dying immediately after I unlocked the speed limiter. What should I do now?

It's concerning that your Misodo F30 electric bike battery is dying immediately, especially after unlocking the speed limiter. While the provided manual does not specifically address issues related to battery drain after modifying the...

Read full answer

What type and size of disc brakes does the Misodo F30 electric bike use?

Based on the product specifications, the Misodo F30 is equipped with Dual Hydraulic Disc Brakes. This indicates that the system uses hydraulic fluid rather than mechanical cables for operation.While the manual confirms the type...

Read full answer

I lost both NFC card keys for my Misodo F30 electric bike. How can I set up and use a password code to start the bike when the screen keeps asking for the code and won't let me proceed?

The Misodo F30 is designed to be operated via either an NFC card or a password. If you have lost both NFC cards, you must rely on the password input to activate the bike.Based...

Read full answer