

Fafrees F20 ULTRA

Fafrees F20 ULTRA Electric Fatbike User Manual

Model: F20 ULTRA

1. IMPORTANT SAFETY INFORMATION

Before operating your Fafrees F20 ULTRA Electric Fatbike, please read this manual thoroughly. Failure to follow these instructions can result in serious injury or damage to the product. Always prioritize your safety and the safety of others.

- **Local Regulations:** Electric bicycle regulations vary by region. It is the user's responsibility to understand and comply with all local laws regarding electric bicycle use, including speed limits, licensing, registration, and helmet requirements. In some regions, this type of electric bicycle may be classified differently (e.g., as a moped or motorcycle) and require specific permits or licenses.
- **Helmet Use:** Always wear an approved bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect the brakes, tires, battery, and all fasteners to ensure they are in proper working order.
- **Weather Conditions:** Exercise caution when riding in wet or slippery conditions. Reduce speed and allow for longer braking distances.
- **Weight Limit:** Do not exceed the maximum load capacity of 130 kg (286 lbs).
- **Age Recommendation:** This electric fatbike is recommended for adults.

2. PACKAGE CONTENTS

Your Fafrees F20 ULTRA Electric Fatbike package includes the following items:

- 1 FAFREES Electric Bicycle
- 1 Charger
- 1 User Manual
- Tool Kit



Image: All components included in the Fafrees F20 ULTRA package, such as the bicycle, charger, user manual, and tool kit.

3. ASSEMBLY AND SETUP

The Fafrees F20 ULTRA Electric Fatbike arrives 90% pre-assembled. Follow these steps to complete the assembly and prepare for your first ride.

1. **Unpacking:** Carefully remove the bicycle and all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten firmly with a wrench from the tool kit. Note that the left pedal has a reverse thread.
4. **Seat Adjustment:** Adjust the seat post height to a comfortable riding position, ensuring your feet can touch the ground when stopped. Secure the quick-release lever or bolt.
5. **Tire Inflation:** Inflate the 20x5.0 inch fat tires to the recommended pressure, typically found on the tire sidewall.
6. **Battery Installation and Initial Charge:** Insert the battery securely into its compartment. Connect the charger to the battery and a power outlet. Charge the battery fully before your first ride (approximately 8 hours for a full charge).
7. **Final Inspection:** Double-check all bolts, quick releases, and connections to ensure they are tight and secure. Test the brakes before riding.

4. PRODUCT OVERVIEW

The Fafrees F20 ULTRA is an electric fatbike designed for versatile riding. It features a robust aluminum frame, powerful motor, long-range battery, and dual suspension for a comfortable experience across various terrains.



Image: A rider on the Fafrees F20 ULTRA Electric Fatbike, showcasing its overall design and robust fat tires.

5. OPERATING INSTRUCTIONS

5.1 Battery Operation and Charging

The F20 ULTRA is equipped with a 48V 25Ah battery featuring advanced 21700 cells. This battery provides an impressive range of 80-140 km on a single charge, depending on riding conditions and assist level. The 3A fast charging function allows for a full charge in approximately 8 hours.

- **Charging:** Always use the provided charger. Connect the charger to the battery charging port, then plug it into a standard wall outlet. The indicator light on the charger will show the charging status.
- **Battery Care:** Avoid completely draining the battery. Store the battery in a cool, dry place when not in use. Charge the battery at least once every two months if stored for extended periods.



Image: Close-up view of the integrated 48V 25Ah battery, highlighting its placement within the frame.

5.2 Motor and Power Assist

The powerful hub motor delivers 79 N·m of torque, providing robust assistance for climbing hills and accelerating. The continuous power output ensures efficient performance and contributes to the motor's longevity.



Image: A detailed illustration of the powerful hub motor integrated into the rear wheel of the F20 ULTRA.

5.3 LCD Display and Controls

The high-resolution LCD display provides essential riding information at a glance. It offers various functions, including speed measurement, battery level, assist level, and trip distance. Use the handlebar-mounted controls to navigate through the display options and adjust the power assist level.

- **Power On/Off:** Press and hold the power button to turn the system on or off.
- **Assist Levels:** Use the '+' and '-' buttons to cycle through the 5 levels of pedal assist.
- **Information Display:** Short press the 'M' button to switch between different data displays (e.g., Odometer, Trip Distance, Max Speed, Average Speed).
- **Walk Mode:** Some models may feature a walk assist mode, typically activated by holding the '-' button.

DISPLAY LCD A COLORI

Immergiti nei dati in tempo reale
e nelle immagini vivaci mentre percorri la strada.



5 LIVELLI DI VELOCITÀ



MODALITÀ PARCHEGGIO



DESIGN IMPERMEABILE

Image: The high-resolution LCD display on the F20 ULTRA handlebars, showing real-time data such as speed, battery charge, and assist level.

5.4 Gears and Pedaling

The F20 ULTRA features a 7-speed gear system, allowing you to adapt to different terrains and riding preferences. Shift gears smoothly using the shifter located on the handlebars.

- **Shifting:** Shift to a lower gear for easier pedaling on inclines and a higher gear for faster speeds on flat terrain.
- **Pedal Assist System (PAS):** The motor provides assistance based on your pedaling input and the selected assist level.

5.5 Braking System

The dual mechanical disc brake system provides reliable and responsive stopping power. The thick 180 mm x 2.3T discs ensure excellent braking performance in various conditions.

- **Brake Levers:** The left lever typically controls the front brake, and the right lever controls the rear brake. Familiarize yourself with their operation.
- **Braking Technique:** Apply both brakes simultaneously for optimal stopping power and control. Avoid sudden, hard braking, especially on loose surfaces.

FRENI MECCANICI

Dotati di un affidabile sistema a cavo, i freni meccanici offrono una potenza di frenata costante con una manutenzione semplice. I dischi spessi da **180 mm x 2,3T** garantiscono prestazioni di frenata eccellenti.



Image: A close-up of the mechanical disc brake system, showing the caliper and the 180mm rotor for effective stopping power.

5.6 Suspension Adjustment

The F20 ULTRA features a dual suspension system with both hydraulic front suspension (100mm travel) and a rear shock absorber (100mm travel). This system works in harmony to absorb shocks and provide a comfortable, controlled ride.

- **Front Suspension:** The front suspension fork may have a lockout feature, allowing you to stiffen the fork for efficient pedaling on smooth surfaces or unlock it for absorbing bumps on rough terrain.
- **Rear Suspension:** The rear shock absorber helps smooth out the ride. Adjustments may be possible to fine-tune the damping to your preference.

DOPPIA SOSPENSIONE

Le sospensioni anteriori e posteriori lavorano in armonia per assorbire gli urti, garantendo una guida confortevole e controllata.

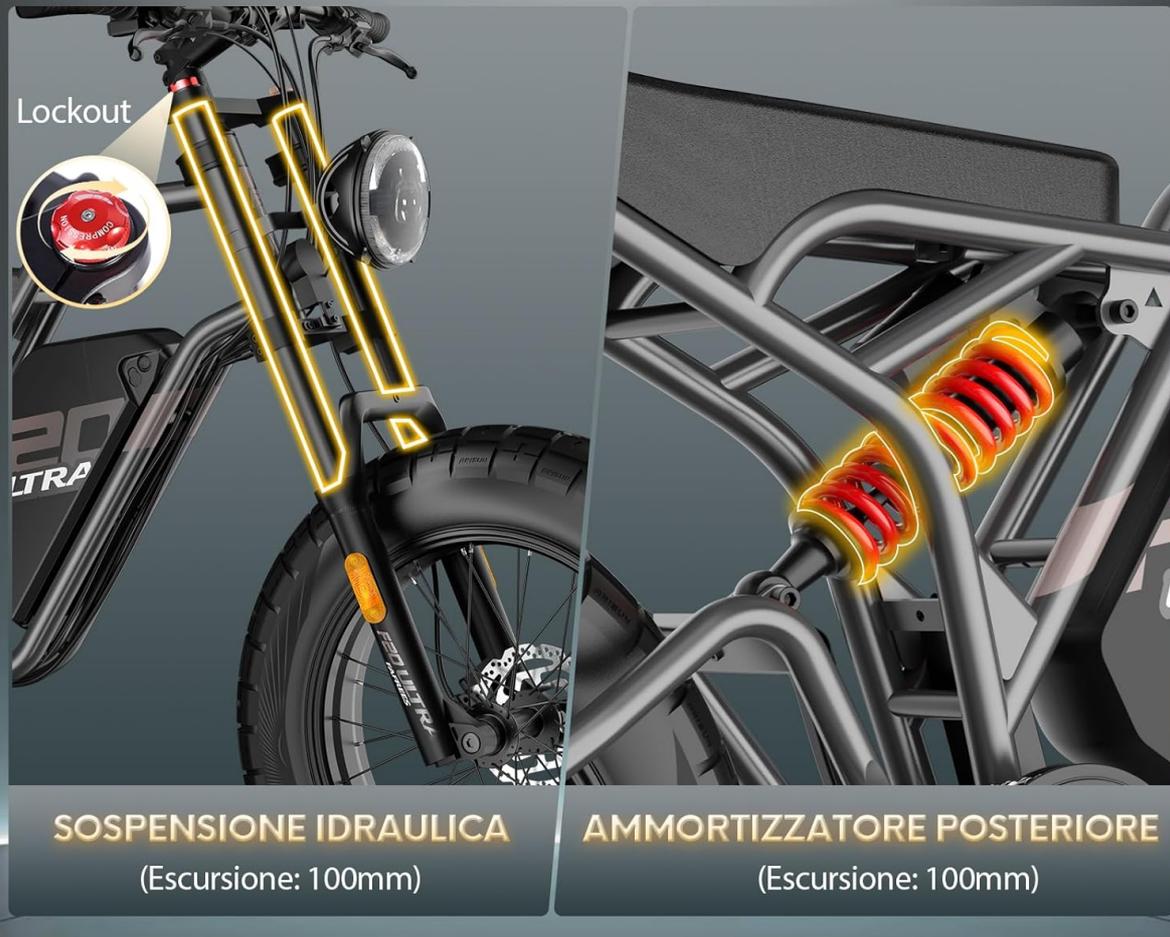


Image: Illustration of the F20 ULTRA's dual suspension system, highlighting both the hydraulic front fork and the rear shock absorber for enhanced comfort.

5.7 Fat Tires

The 20x5.0 inch fat tires are designed for exceptional performance across all seasons and various terrains. Their extra-wide design allows for effortless overcoming of obstacles and superior shock absorption, providing stability and grip.

- **Tire Pressure:** Maintain appropriate tire pressure for optimal performance and comfort. Lower pressures offer more grip and cushioning on soft surfaces, while higher pressures reduce rolling resistance on hard surfaces.
- **Puncture Resistance:** The durable rubber compound and tread design contribute to puncture resistance.

PNEUMATICI FAT 20X5.0

Il design extra-largo degli pneumatici è il tuo compagno di avventura ideale per tutte le stagioni.

- Resistente alle forature
- Battistrada per tutti i terreni
- Mescola di gomma durevole
- Capacità a bassa pressione



F20 ULTRA

ALTRI E-BIKE

Pneumatici 20x5.0

Pneumatici 20x4.0

Image: A close-up of the 20x5.0 inch fat tire, illustrating its robust construction, all-terrain tread, and puncture-resistant features.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Fafrees F20 ULTRA Electric Fatbike.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Brake Checks:** Periodically check brake pads for wear and brake cables for tension. Adjust or replace as needed.
- **Tire Pressure:** Check tire pressure before each ride and inflate to the recommended PSI.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth shifting and prevent wear.
- **Fastener Checks:** Regularly inspect and tighten all bolts and fasteners, especially on critical components like the handlebars, seat post, and wheels.
- **Battery Care:** Follow the battery care guidelines in Section 5.1.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Fafrees F20 ULTRA Electric Fatbike.

| Problem | Possible Cause | Solution |
|------------------------------|--|--|
| Bike does not power on | Battery not charged or not properly installed; loose electrical connection. | Ensure battery is fully charged and securely seated. Check all visible electrical connections. |
| Motor not assisting | Low battery; assist level set to zero; sensor issue. | Charge battery. Increase assist level on the display. Check for any visible damage to pedal assist sensor. |
| Brakes feel weak | Worn brake pads; loose brake cable; air in hydraulic system (if applicable). | Inspect brake pads and replace if worn. Adjust brake cable tension. If mechanical brakes, ensure cables are taut. For persistent issues, consult a professional. |
| Unusual noises during riding | Loose components; dry chain; rubbing brakes. | Inspect all fasteners. Lubricate chain. Check if brake pads are rubbing against the rotor. |

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

8. SPECIFICATIONS

Detailed technical specifications for the Fafrees F20 ULTRA Electric Fatbike.

| Feature | Specification |
|--------------------|---|
| Model Number | F20 ULTRA |
| Product Dimensions | 182 x 76 x 103 cm (71.7 x 29.9 x 40.6 inches) |
| Weight | 47 kg (103.6 lbs) |
| Recommended Age | Adults |
| Bike Type | Electric Fatbike |
| Brake Type | Mechanical Disc Brakes (180mm x 2.3T) |

| Feature | Specification |
|--------------------|--|
| Color | Green |
| Wheel Size | 20 x 5.0 Inches |
| Frame Material | Aluminum Alloy |
| Frame Size | 18 Inches |
| Number of Speeds | 7 |
| Power Source | Electric |
| Special Features | Digital Display, Dual Disc Brake |
| Suspension Type | Dual Suspension (Front Hydraulic, Rear Shock Absorber) |
| Battery | 48V 25Ah (21700 cells) |
| Charger | 3A Fast Charger |
| Motor Torque | 79 N·m |
| Range | 80-140 KM (50-87 Miles) |
| Load Capacity | 130 kg (286 lbs) |
| Rider Height Range | 160-200 cm (5'3" - 6'7") |

DIMENSIONI & VESTIBILITÀ



Capacità di carico
130KG



Altezza del ciclista
160-200CM



Image: Diagram illustrating the dimensions of the Fafrees F20 ULTRA and recommended rider height range.

9. WARRANTY AND SUPPORT

Fafrees is committed to providing quality products and customer satisfaction. While specific warranty details are not provided in this manual, please refer to your purchase documentation or the official Fafrees website for comprehensive warranty information.

If you have any questions, concerns, or require technical assistance with your Fafrees F20 ULTRA Electric Fatbike, please do not hesitate to contact our customer service team. Contact information can typically be found on the seller's page or the official Fafrees website.