

Fafrees F20

Fafrees F20 Electric Folding Bicycle User Manual

Model: F20

INTRODUCTION

Thank you for choosing the Fafrees F20 Electric Folding Bicycle. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new e-bike. The Fafrees F20 is designed for urban commuting and recreational riding, featuring a powerful 250W motor, a 16Ah battery for extended range, 20-inch fat tires for various terrains, and a convenient folding design. Please read this manual thoroughly before your first ride to ensure proper use and to maximize your riding experience.



Image: The Fafrees F20 Electric Folding Bicycle, showcasing its compact and robust design with fat tires and integrated battery.

Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to local traffic laws and regulations.

- **Frame Number:** The frame number of your F20 is printed on the bottom bracket (central axle) of the bicycle. It is crucial to record this number as it serves as the identification number for your bike. This information is vital in case of theft or for warranty claims.
- **Visibility:** The Fafrees F20 is equipped with a bright LED headlight and a rear reflector for enhanced safety, especially during night rides. Ensure they are clean and functional before each use.
- **Braking:** The bike features front and rear disc brakes, providing reliable stopping power. Regularly check brake pads and cables for wear and proper adjustment.

- **Rider Height & Load:** The adjustable seat and handlebar accommodate users between 160-198 cm (5'3" - 6'6"). The maximum load capacity is 150 kg (330 lbs). Do not exceed these limits.



Image: Diagram illustrating the dimensions of the Fafrees F20 and its rider height and load capacity specifications.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged.

- 1 x Fafrees F20 Electric Folding Bicycle
- 1 x Charger
- 1 x Battery (integrated or separate, depending on model variant)
- 1 x User Manual (this document)
- 1 x Gift Set (may include tools or accessories)



Image: The Fafrees branded packaging box, indicating the product's origin.

SETUP AND ASSEMBLY

Your Fafrees F20 comes mostly pre-assembled. Follow these steps for final setup.

1. **Unpacking:** Carefully remove the bicycle and all components from the packaging. Retain packaging for 30 days in case of return or shipping needs.
2. **Unfolding the Bicycle:**
 - Release the frame latch and unfold the main frame until it locks into place.
 - Raise the handlebar stem and secure its latch.
 - Adjust the seat post to your desired height and secure the quick-release lever.
 - Unfold the pedals if they are foldable.



Image: Close-up view of the aluminum alloy folding frame, highlighting the folding mechanism for compact storage.

3. Battery Installation and Charging:

- Ensure the battery is securely inserted into its compartment. The F20 features a removable 16Ah / 36V Lithium-ion battery.
- Before first use, fully charge the battery using the provided charger. Connect the charger to the bike's charging port, then plug it into a power outlet. The indicator light on the charger will change when fully charged.



Image: Illustration of the 16Ah lithium battery, showing its placement within the frame and the easy removal process.

4. **Tire Pressure:** Check and adjust tire pressure to the recommended PSI (usually found on the tire sidewall) for optimal performance and safety. The 20*3.0 inch fat tires are suitable for various terrains.
5. **Brake Check:** Test both front and rear brakes to ensure they engage properly and stop the bike effectively. Adjust if necessary.

OPERATING INSTRUCTIONS

Familiarize yourself with the controls before riding.

1. **Power On/Off:** Press and hold the power button on the intelligent display to turn the bike on or off.
2. **Intelligent Multifunction Display:** The display provides real-time information.
 - **Speed Display:** Shows current riding speed.
 - **PAS Level:** Indicates the current pedal assist level (3 levels). Use '+' and '-' buttons to adjust.
 - **Power Display:** Shows remaining battery charge.
 - **Driving Distance:** Tracks trip distance.
 - **Headlight Control:** Often integrated with the display controls.

DISPLAY INTELLIGENTE MULTIFUNZIONE



Image: Close-up of the intelligent multifunction display on the handlebar, showing speed, battery, and PAS level indicators, along with control buttons.

3. Riding Modes: The F20 offers three riding modes:

- **Electric Assist Mode (PAS):** The motor provides assistance as you pedal. Range: 90-120 km.
- **Full Electric Mode:** Use the thumb throttle for propulsion without pedaling. Range: 55-60 km.
- **Pure Electric Mode (Pedal Only):** Ride like a traditional bicycle with no motor assistance.



Image: Overview of key components including the rear rack, headlight, fender, and thumb throttle, which controls the full electric mode.

4. **Gears:** The 7-speed Shimano gear system allows you to adjust pedaling effort for different terrains and speeds. Shift gears smoothly while pedaling.
5. **Braking:** Apply both front and rear brakes simultaneously for effective and controlled stopping. Avoid sudden, hard braking, especially at high speeds.

FRENI A DISCO ANTERIORI E POSTERIORI

FUNZIONE DI SPEGNIMENTO DEL FRENO PER UNA GUIDA SICURA



Image: Diagram illustrating the front and rear disc brake system, emphasizing the safety shutdown function for reliable stopping.

MAINTENANCE

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

- **Battery Care:**

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery.
- Store the battery in a cool, dry place when not in use, ideally at 50-70% charge.

- **Tires:** Check tire pressure before each ride. Inspect tires for wear, punctures, or damage. The 20*3.0 inch fat tires are designed for durability.
- **Brakes:** Regularly inspect brake pads for wear and replace them when necessary. Check brake levers and cables for proper tension and smooth operation.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.

- **General Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Fasteners:** Periodically check all bolts, nuts, and quick-release levers to ensure they are securely tightened.

TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, please contact Fafrees customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, battery not properly seated, power button not pressed correctly.	Ensure battery is fully charged. Check battery connection. Press and hold power button firmly.
Motor not assisting.	Low battery, PAS level set to 0, brake levers engaged, motor connection issue.	Charge battery. Increase PAS level on display. Ensure brake levers are fully released. Check motor cable connection.
Brakes feel weak or noisy.	Worn brake pads, loose cables, contaminated rotors.	Inspect and replace brake pads. Adjust brake cable tension. Clean rotors with disc brake cleaner.
Gears are not shifting smoothly.	Dirty chain, misaligned derailleur, stretched cable.	Clean and lubricate chain. Adjust derailleur. If problem persists, professional adjustment may be needed.

SPECIFICATIONS

Feature	Detail
Model Number	F20
Product Dimensions	174 x 60 x 125 cm
Weight	26 kg (57.3 lbs)
Recommended Age	Adults
Bike Type	Electric Folding Bicycle
Motor Wattage	250W Brushless (Max 350W peak)
Max Speed	25 km/h (15.5 mph)
Max Incline	25 degrees
Battery	16 Ah / 36 V Lithium-ion
Range (Full Electric)	55-60 km (34-37 miles)
Range (Electric Assist)	90-120 km (56-75 miles)
Wheel Size	20 Inches (20*3.0 inch fat tires)
Number of Speeds	7

Feature	Detail
Brake Type	Front and Rear Disc Brakes
Frame Material	Aluminum Alloy
Max Load Capacity	150 kg (330 lbs)
Rider Height Range	160-198 cm (5'3" - 6'6")
Special Features	Dual Disc Brake, Foldable Design, Front Suspension



Image: Detailed view of the 250W brushless motor, highlighting its torque, gradeability, and IP54 waterproof rating.

20"*3.0 PNEUMATICO GRASSO

GUIDA CONFORTEVOLE IN CITTÀ E NELLA NATURA



strada
di ghiaia



strada
di sabbia



strada
pianeggiante

**Design
antiperforazione**

Ruota integrata

Image: Close-up of the 20*3.0 inch fat tire, showing its anti-puncture design and integrated wheel, suitable for various road conditions.

WARRANTY AND SUPPORT













For detailed warranty information, please refer to the specific warranty card or documentation included with your Fafrees F20 Electric Folding Bicycle. Fafrees is committed to customer satisfaction and provides support for product inquiries and issues.

If you encounter any problems not covered in this manual or require further assistance, please contact Fafrees customer service through their official website or the retailer where you purchased the product.

Important: Always provide your frame number (located on the bottom bracket) when contacting support for faster service.



Related Documents - F20

<div><div>FAFREES</div><div>User Manual</div><div>F20 Light Electric Bicycle</div><div></div><div>Scan to watch assembly video</div><div></div></div>	<div><div>FAFREES F20 Light Electric Bicycle User Manual - Assembly, Safety & Operation Guide</div><div>Your essential guide to the FAFREES F20 Light Electric Bicycle. Discover assembly instructions, safety precautions, operating procedures, maintenance tips, specifications, and troubleshooting for your F20 Light ebike.</div></div>
<div><div></div><div>FAFREES</div><div>Smart EV/Moped</div><div>User Manual</div><div>(Model: F20 Max)</div><div></div></div>	<div><div>FAFREES F20 Max Smart EV/Moped User Manual</div><div>This comprehensive user manual provides essential instructions and safety guidelines for operating and maintaining the FAFREES F20 Max Smart EV/Moped. Learn about product features, installation, charging, riding precautions, and maintenance to ensure a safe and optimal user experience.</div></div>
<div><div>FAFREES</div><div>User Manual</div><div>F20 Mate Electric Tricycle</div><div></div><div>Scan to watch assembly video</div><div></div></div>	<div><div>Fafrees F20 Mate Electric Tricycle User Manual</div><div>Comprehensive user manual for the Fafrees F20 Mate Electric Tricycle, covering safety, operation, assembly, maintenance, specifications, and troubleshooting. Includes detailed instructions and warnings for optimal use.</div></div>
<div><div>FAFREES</div><div>User Manual</div><div>F20 Electric Bicycle</div><div></div><div>Scan to watch assembly video</div><div></div></div>	<div><div>FAFREES F20 Electric Bicycle User Manual</div><div>Comprehensive user manual for the FAFREES F20 Electric Bicycle, providing essential instructions for assembly, safe operation, maintenance, and specifications. Learn about the F20 ebike's features, safety guidelines, and proper care.</div></div>
<div><div>FAFREES</div><div>User Manual</div><div>F20 Mate Electric Tricycle</div><div></div><div>Scan to watch assembly video</div><div></div></div>	<div><div>Fafrees F20 Mate Electric Tricycle User Manual</div><div>Comprehensive user manual for the Fafrees F20 Mate Electric Tricycle, covering assembly, operation, safety, maintenance, troubleshooting, and warranty information.</div></div>
<div><div></div><div>FAFREES</div><div>Smart EV/Moped</div><div>User Manual</div><div>(Model: F20 Light)</div><div></div></div>	<div><div>FAFREES F20 Light Smart EV/Moped User Manual</div><div>User manual for the FAFREES F20 Light Smart EV/Moped, covering operation, safety, features, and specifications. Includes multiple language support.</div></div>

