SAMEBIKE JG-20

SAMEBIKE JG-20 Electric Bicycle User Manual

Model: JG-20
Brand: SAMEBIKE

1. Introduction & Important Safety Information

This manual provides essential information for the safe and effective operation of your SAMEBIKE JG-20 Electric Bicycle. Please read all instructions carefully before your first ride to ensure proper use and to prevent accidents.

Important Safety Warnings:

- If you lend your electric bicycle to others, ensure they read this manual to understand its operation and safety guidelines, which can significantly reduce the risk of accidents.
- Always wear a suitable and safe helmet before riding. For night riding, wear fluorescent and reflective clothing to enhance visibility.
- Adhere to all local traffic laws and regulations. Do not exceed the legal speed limit, as speeding is a primary cause of traffic accidents.
- Do not touch the charging port on the bicycle with metal objects or your hands, as this can cause a short circuit and lead to an accident.
- To maximize battery endurance, avoid frequent starting and braking, riding against strong winds, carrying excessive loads (people or objects), and riding with insufficient tire pressure. These actions consume more electrical energy.
- Avoid prolonged exposure of your e-bike to direct sunlight or rain. Do not store the bike in areas with high temperatures or corrosive gases. Such conditions can damage electroplated parts, painted surfaces, and electrical components, potentially leading to malfunctions and accidents.
- Your current insurance policy may not cover situations related to riding an e-bike. Contact your insurance company or broker for detailed information regarding coverage.
- Bicycles are vehicles with inherent risks. Always observe traffic rules. In an emergency braking situation, especially at high speeds, apply the rear brake first, then the front brake. Suddenly braking the front wheel at high speeds can cause the bike to tip over. Ride carefully.



Figure 1.1: The SAMEBIKE JG-20 Electric Bicycle, showcasing its full size and compact folded state.

2. Product Overview & Key Features

The SAMEBIKE JG-20 is a versatile folding electric bicycle designed for adult commuters and city riders. It combines robust construction with convenient features for an efficient and enjoyable riding experience.

Key Features:

- **Frame:** 20-inch aluminum alloy frame with suspension, designed for easy folding and portability.
- **Motor:** High-speed brushless gear motor providing long life and high performance. Rated power 250W, 35NM Torque, 15.5 MPH rated speed.
- **Battery:** 36V12AH removable lithium battery, conveniently located on the rear rack. Offers up to 62 miles (90KM) in pedal assist mode and 45KM in pure electric mode.
- **Gears:** SHIMANO 7-speed gearbox with SHIMANO shifter and rear derailleur for smooth gear changes across various terrains.
- **Brakes:** Dual disc brakes (front and rear) for reliable stopping power.
- **Suspension:** Front and rear suspension for a comfortable ride on city roads and flat dirt paths.

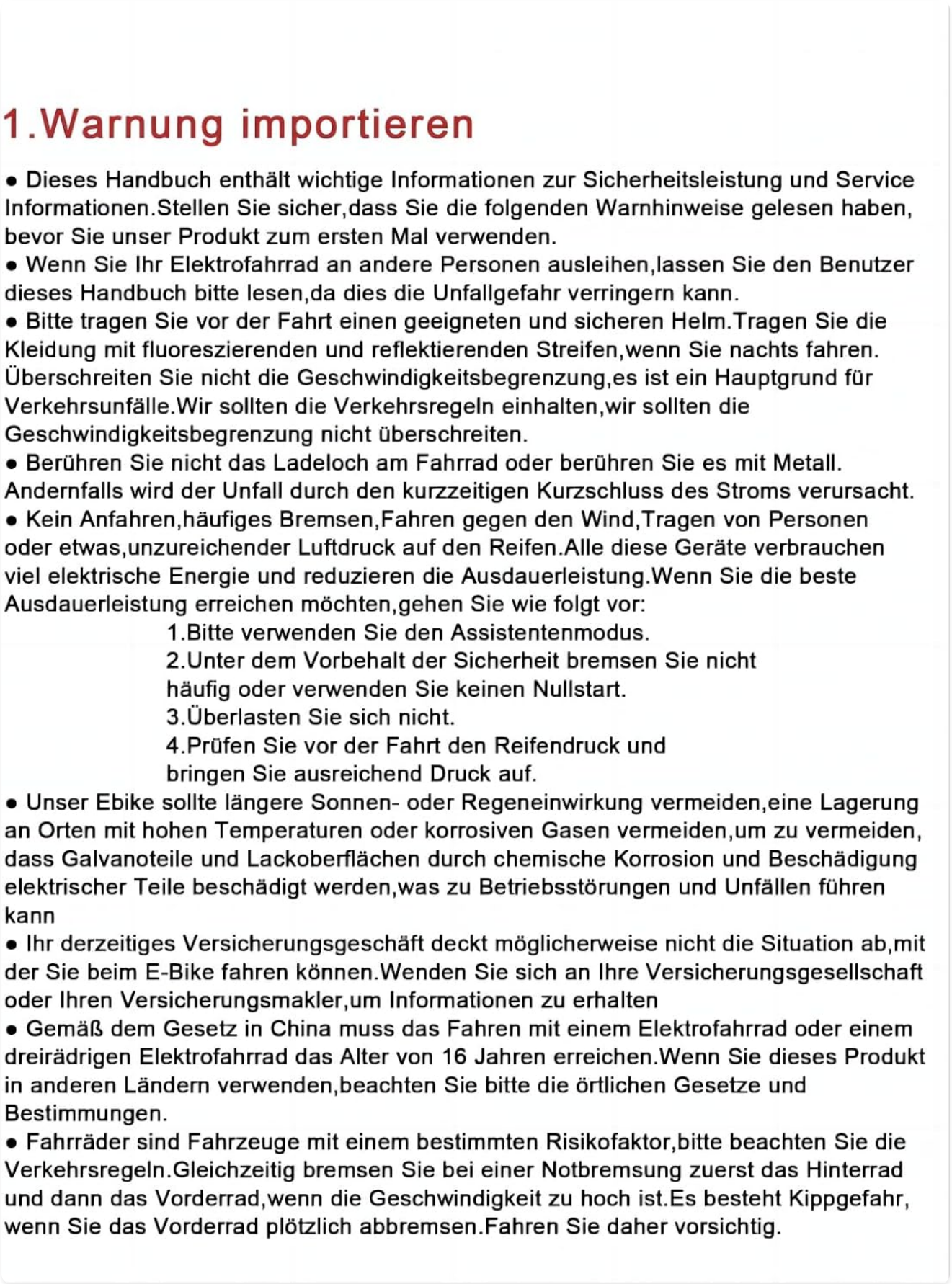
- **Adjustability:** Adjustable handlebar height (106 - 116 cm) and saddle height (77 - 88 cm) to suit various rider heights.
- **Safety & Convenience:** Equipped with front and rear fenders, a plastic chain protection cover, a bright brake light, and a quick-release waterproof connector for easy accessory replacement.



Figure 2.1: The removable 36V12AH lithium battery, offering extended range and waterproof design.



Figure 2.2: Detailed view of the high-performance brushless motor.



1.Warnung importieren

• Dieses Handbuch enthält wichtige Informationen zur Sicherheitsleistung und Service Informationen.Stellen Sie sicher,dass Sie die folgenden Warnhinweise gelesen haben, bevor Sie unser Produkt zum ersten Mal verwenden.
• Wenn Sie Ihr Elektrofahrrad an andere Personen ausleihen,lassen Sie den Benutzer dieses Handbuch bitte lesen,da dies die Unfallgefahr verringern kann.
• Bitte tragen Sie vor der Fahrt einen geeigneten und sicheren Helm.Tragen Sie die Kleidung mit fluoreszierenden und reflektierenden Streifen,wenn Sie nachts fahren. Überschreiten Sie nicht die Geschwindigkeitsbegrenzung,es ist ein Hauptgrund für Verkehrsunfälle.Wir sollten die Verkehrsregeln einhalten,wir sollten die Geschwindigkeitsbegrenzung nicht überschreiten.
• Berühren Sie nicht das Ladeloch am Fahrrad oder berühren Sie es mit Metall. Andernfalls wird der Unfall durch den kurzzeitigen Kurzschluss des Stroms verursacht.
• Kein Anfahren,häufiges Bremsen,Fahren gegen den Wind,Tragen von Personen oder etwas,unzureichender Luftdruck auf den Reifen.Alle diese Geräte verbrauchen viel elektrische Energie und reduzieren die Ausdauerleistung.Wenn Sie die beste Ausdauerleistung erreichen möchten,gehen Sie wie folgt vor:

1.Bitte verwenden Sie den Assistentenmodus.
2.Unter dem Vorbehalt der Sicherheit bremsen Sie nicht häufig oder verwenden Sie keinen Nullstart.
3.Überlasten Sie sich nicht.
4.Prüfen Sie vor der Fahrt den Reifendruck und bringen Sie ausreichend Druck auf.

• Unser Ebike sollte längere Sonnen- oder Regeneinwirkung vermeiden,eine Lagerung an Orten mit hohen Temperaturen oder korrosiven Gasen vermeiden,um zu vermeiden, dass Galvanoteile und Lackoberflächen durch chemische Korrosion und Beschädigung elektrischer Teile beschädigt werden,was zu Betriebsstörungen und Unfällen führen kann
• Ihr derzeitiges Versicherungsgeschäft deckt möglicherweise nicht die Situation ab,mit der Sie beim E-Bike fahren können.Wenden Sie sich an Ihre Versicherungsgesellschaft oder Ihren Versicherungsmakler,um Informationen zu erhalten
• Gemäß dem Gesetz in China muss das Fahren mit einem Elektrofahrrad oder einem dreirädrigen Elektrofahrrad das Alter von 16 Jahren erreichen.Wenn Sie dieses Produkt in anderen Ländern verwenden,beachten Sie bitte die örtlichen Gesetze und Bestimmungen.
• Fahrräder sind Fahrzeuge mit einem bestimmten Risikofaktor,bitte beachten Sie die Verkehrsregeln.Gleichzeitig bremsen Sie bei einer Notbremsung zuerst das Hinterrad und dann das Vorderrad,wenn die Geschwindigkeit zu hoch ist.Es besteht Kippgefahr, wenn Sie das Vorderrad plötzlich abbremsen.Fahren Sie daher vorsichtig.

Figure 2.3: Comfort and safety features including adjustable saddle, step-through frame, bright brake light, and dual disc brakes.

3. Assembly & Initial Setup

Your SAMEBIKE JG-20 Electric Bicycle comes partially assembled. Follow these steps to complete the setup and prepare for your first ride.

Unboxing and Initial Inspection:

- Carefully remove the bicycle from its packaging.
- Inspect all components for any signs of damage during transit. If any parts are damaged or missing, contact customer support immediately.
- Ensure all included components, such as the charger, are present.



Figure 3.1: The product packaging, indicating the model number JG-20.

Unfolding the Bicycle:

1. Locate the main folding hinge on the frame.
2. Release the safety latch and carefully unfold the frame until it locks into place. Ensure the locking mechanism is fully engaged.
3. Unfold the handlebars and secure them in the upright position using the quick-release lever.
4. Adjust the handlebar height to your preference using the quick-release mechanism (adjustable within 106 - 116 cm).
5. Adjust the saddle height to a comfortable riding position (adjustable within 77 - 88 cm). Ensure the seat post is inserted beyond the minimum insertion mark.
6. Unfold the pedals if they are in a folded position.

Battery Installation and Initial Charge:

- Ensure the battery is securely mounted on the rear rack.
- Before your first ride, fully charge the battery. Connect the charger to the battery charging port and then to a power outlet. The charging time is approximately 4-6 hours.

- Once fully charged, disconnect the charger.

4. Operating Your SAMEBIKE JG-20

The SAMEBIKE JG-20 offers three distinct working modes to suit your riding needs.

Working Modes:

- **Pure Electricity Mode:** The bicycle is propelled solely by the motor, controlled via the thumb throttle. Ideal for effortless cruising. (Approximate range: 45KM)
- **Pedal Assist Mode:** The motor provides assistance as you pedal, making riding easier, especially on inclines or for longer distances. (Approximate range: 90KM)
- **Human Riding Mode:** The electric system is off, and the bicycle functions as a traditional pedal bike.

Controls and Display:

Familiarize yourself with the handlebar controls and the display unit before riding.

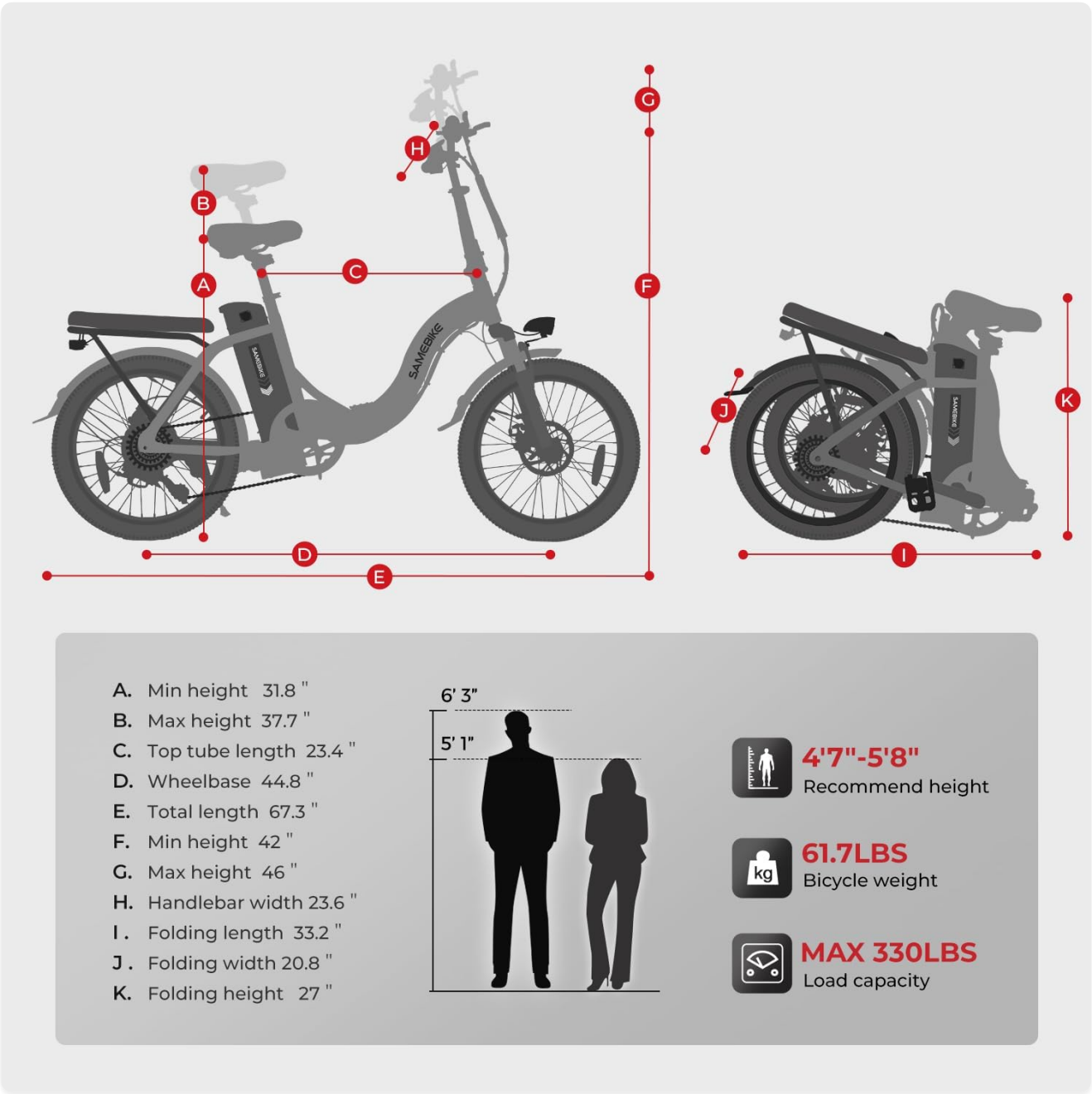


Figure 4.1: Overview of the handlebar controls and digital display.

- **Digital Display:** Shows current speed, battery level, trip distance, and other vital information.
- **Light & Horn Control:** Buttons to operate the front light and horn for safety.
- **7-speed Mechanical Shifter:** Use this to change gears when in pedal assist or human riding mode, adapting to different terrains and desired effort levels.
- **Thumb Throttle:** Activates the pure electricity mode, providing power without pedaling.

Riding Tips:

- Always perform a pre-ride check, including tire pressure, brake function, and battery level.
- Start in a lower assist level or human mode until you are comfortable with the bike's handling.
- When using pedal assist, shift gears smoothly to maintain an efficient pedaling cadence.
- Be aware of your surroundings and ride defensively.

5. Maintenance & Care

Regular maintenance will ensure the longevity and optimal performance of your SAMEBIKE JG-20 Electric Bicycle.

Battery Care:

- Charge the battery regularly, even if the bike is not used frequently. Avoid letting the battery completely discharge.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to about 50-70% capacity and recharge every 1-2 months.
- Only use the original charger provided with your bicycle.

General Maintenance:

- **Tires:** Check tire pressure before each ride. Maintain recommended pressure for optimal performance and safety.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive braking. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Fasteners:** Periodically check all bolts and nuts, especially on the handlebars, seat post, and wheels, to ensure they are securely tightened.
- **Cleaning:** Clean the bike with a damp cloth and mild detergent. Avoid using high-pressure washers directly on electrical components.
- **Storage:** Store the bicycle in a dry, sheltered area to protect it from the elements.

6. Troubleshooting Common Issues

This section addresses common issues you might encounter with your SAMEBIKE JG-20 and provides basic solutions.

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged; Battery not properly seated; Power cable loose; System error.	Charge the battery fully. Ensure the battery is securely installed. Check all cable connections. If issue persists, contact support.
Motor not assisting	Battery low; Pedal assist level too low; Brake levers engaged; Motor connection issue.	Check battery level. Increase pedal assist level on the display. Ensure brake levers are fully released. Check motor cable connections.
Short battery range	Low tire pressure; Frequent starting/stopping; Riding uphill frequently; Overloading; Old battery.	Ensure tires are properly inflated. Ride smoothly. Use appropriate gear. Avoid overloading. Consider battery replacement if very old.

Problem	Possible Cause	Solution
Brakes squealing or weak	Dirty brake pads/rotors; Worn brake pads; Loose brake cable.	Clean brake pads and rotors. Replace worn brake pads. Adjust brake cable tension.
Gears not shifting smoothly	Dirty or dry chain; Derailleur out of adjustment; Bent hanger.	Clean and lubricate the chain. Adjust derailleur. If bent, seek professional repair.

For issues not listed here or if solutions do not resolve the problem, please contact SAMEBIKE customer support.

7. Technical Specifications

Detailed specifications for the SAMEBIKE JG-20 Electric Bicycle.

Feature	Specification
Model	JG-20
Bike Type	Folding Electric Commuter City Bicycle
Age Range	Adult
Frame Material	Aluminum Alloy
Wheel Size	20 Inches
Color	White
Motor Wattage	350 Watts (Brushless Gear Motor)
Battery	36V12AH Removable Lithium Battery
Charging Time	4-6 hours
Max Speed (Rated)	15.5 MPH
Range (Pure Electric)	Approx. 45 KM
Range (Pedal Assist)	Approx. 90 KM (62 Miles)
Number of Speeds	7 (SHIMANO Gearbox)
Brake Type	Disc Brakes (Front & Rear)
Suspension	Front and Rear
Handlebar Height Adjustment	106 - 116 cm

Feature	Specification
Saddle Height Adjustment	77 - 88 cm
Recommended Rider Height	4'7" - 5'8"
Bicycle Weight	61.7 LBS (Approx. 27.99 kg)
Max Load Capacity	330 LBS
Folded Dimensions (Approx.)	Length: 33.2", Width: 20.8", Height: 27"
Included Components	Electric Bike, Charger

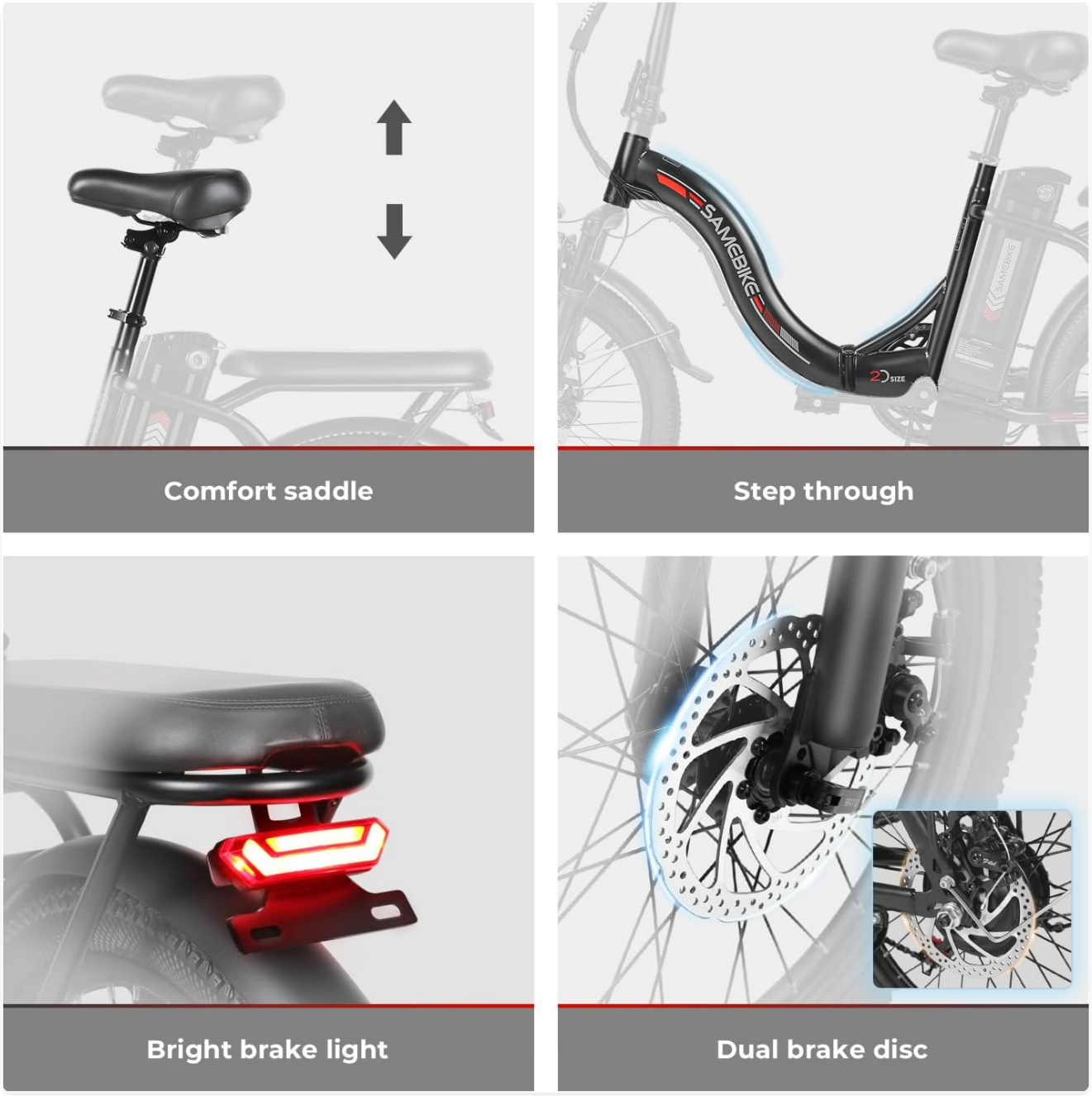


Figure 7.1: Dimensional specifications and rider recommendations.



Figure 7.2: Front suspension fork designed for varied terrain.

8. Warranty & Support

SAMEBIKE is committed to providing high-quality products and customer satisfaction.

Warranty Information:

Please refer to the warranty card included with your product for specific terms and conditions, including coverage period and what is covered. Keep your proof of purchase for warranty claims.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact SAMEBIKE customer support. Contact details can typically be found on the SAMEBIKE official website or on the product packaging.

For more information and updates, you may visit the official SAMEBIKE store:SAMEBIKE UK Official Store

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