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› SAMEBIKE CY20 20-inch Folding Electric Bike User Manual

SAMEBIKE CY20

SAMEBIKE CY20 20-inch Folding Electric Bike User Manual

Model: CY20

1. INTRODUCTION

1.1 Product Overview

The SAMEBIKE CY20 is a 20-inch folding electric bicycle designed for adult commuters. It features a high-carbon steel frame, a 350W brushless geared motor, and a 36V 12Ah lithium battery, offering a range of up to 50 miles. The bike is equipped with dual suspension and a 7-speed transmission system, providing a versatile riding experience across various terrains.



Image 1.1: The SAMEBIKE CY20 electric bike in its unfolded state, showcasing its design with a front basket and rear rack. A smaller inset image displays the bike in its compact, folded configuration, highlighting its portability.

1.2 Key Features

- **Powerful Motor & Battery:** Equipped with a 350W brushless geared motor and a 36V 12Ah lithium battery for efficient power delivery and extended range.
- **Foldable Design:** Features a 20-inch high-carbon steel frame that folds for convenient storage and transport.
- **Versatile Riding Modes:** Offers 5 riding modes including electric, pedal-assist, manual, walk, and cruise.
- **7-Speed Transmission:** A 7-speed gear system allows for adaptable riding on various inclines and surfaces.
- **Enhanced Safety & Comfort:** Includes a front suspension fork, LED headlight, rear brake light, reflective wheel strips, PVC mudguards, and dual disc brakes.

2. SAFETY INFORMATION

Before operating your SAMEBIKE CY20 electric bike, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or damage to the product.

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations for electric bicycles.

- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions such as heavy rain, snow, or ice.
- Ensure all quick releases and folding mechanisms are securely fastened before riding.
- Do not exceed the maximum load capacity of 330 lbs (150 kg).
- Keep both hands on the handlebars while riding, except when signaling.

3. SETUP

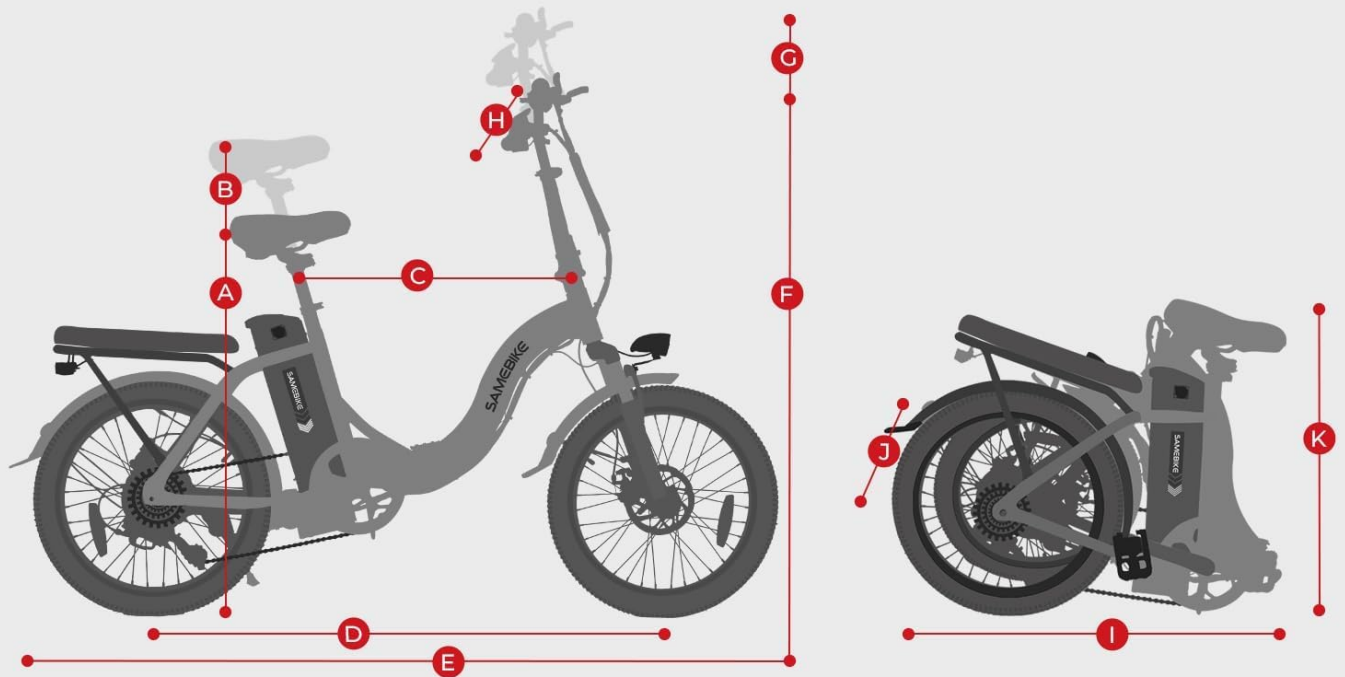
3.1 Unpacking and Initial Inspection

Carefully remove the bicycle from its packaging. Inspect for any signs of damage during transit. Ensure all components listed in the packing list are present. If any parts are missing or damaged, contact customer support immediately.

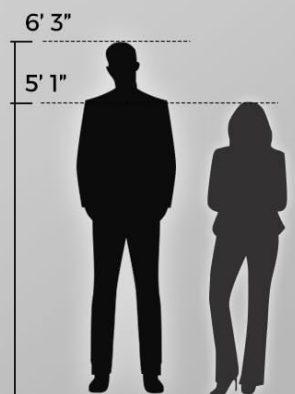
3.2 Unfolding the Bicycle

The SAMEBIKE CY20 is designed for easy unfolding. Follow these steps to prepare your bike for riding:

1. Place the folded bike on a flat surface.
2. Release the frame folding latch and carefully unfold the main frame until it locks into place. Ensure the latch is securely closed.
3. Raise the handlebar stem and secure the handlebar folding latch. Adjust the handlebar height to your preference.
4. Insert the seat post into the frame and adjust the saddle height. Secure the quick-release lever.
5. Ensure pedals are in the riding position if they were folded.



- A. Min height 31.8 "
- B. Max height 37.7 "
- C. Top tube length 23.4 "
- D. Wheelbase 44.8 "
- E. Total length 67.3 "
- F. Min height 42 "
- G. Max height 46 "
- H. Handlebar width 23.6 "
- I. Folding length 33.2 "
- J. Folding width 20.8 "
- K. Folding height 27 "



 **4'7"-5'8"**
Recommend height

 **61.7LBS**
Bicycle weight

 **MAX 330LBS**
Load capacity

Image 3.1: A visual guide demonstrating the three-step process for folding the electric bicycle, showing the bike transitioning from an unfolded state to a compact, folded form.

3.3 Battery Installation and Initial Charging

The battery is typically pre-installed but may require charging before first use. To charge the battery:

1. Locate the charging port on the battery.
2. Connect the charger to the battery charging port, then plug the charger into a standard electrical outlet.
3. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
4. A full charge typically takes 4-6 hours. Do not overcharge the battery.

36V 12AH Lithium-Ion Battery

Upgraded 468Wh Large Capacity Battery Supply Longer Riding



Image 3.2: A detailed view of the 36V 12Ah lithium-ion battery integrated into the bicycle frame, with specifications indicating its capacity, voltage, charging duration, and range.

3.4 Handlebar and Seat Adjustment

Adjust the handlebar and seat height to ensure a comfortable and safe riding posture. The seat post features a quick-release lever for easy adjustment. Ensure the seat post is inserted past the minimum insertion line. The handlebar stem can also be adjusted for height.

3.5 Brake Check

Before your first ride, test both front and rear brakes to ensure they are functioning correctly. Squeeze each brake lever individually and observe that the corresponding wheel stops smoothly and effectively.

4. OPERATING YOUR SAMEBIKE CY20

4.1 Powering On/Off

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

4.2 Understanding the Display

The color LCD display provides essential riding information. It typically shows:

- Current Speed
- Battery Level
- Assistance Level (PAS)
- Odometer (ODO)
- Trip Distance (TRIP)
- Average Speed (AVG)
- Maximum Speed (MAX)



Image 4.1: The bicycle's handlebar area, featuring the LCD display showing speed, battery, and other metrics. Also visible are the light and

horn controls, the 7-speed mechanical shifter, and the thumb throttle.

4.3 Riding Modes

The SAMEBIKE CY20 offers five distinct riding modes:

- **Electric Mode:** Provides full motor assistance without pedaling, controlled by the throttle.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. The level of assistance can be adjusted via the display.
- **Manual Mode:** Operates as a traditional bicycle, requiring pedaling without motor assistance.
- **Walk Mode:** Provides low-speed motor assistance (typically up to 6 km/h) to help push the bike when walking alongside it.
- **Cruise Mode:** Maintains a constant speed without continuous throttle input or pedaling.

4.4 Gear Shifting

The 7-speed mechanical shifter allows you to change gears to match terrain and riding conditions. Use lower gears for uphill climbs and higher gears for flat or downhill riding to maintain an efficient pedaling cadence.

4.5 Using the Throttle

The thumb throttle provides instant motor power for acceleration or maintaining speed in electric mode. Apply the throttle gradually to avoid sudden acceleration.

4.6 Folding and Transporting

To fold the bicycle for storage or transport, reverse the unfolding steps (Section 3.2). Ensure all folding latches are securely engaged in the folded position. The compact size of the folded bike allows it to be easily placed in a car trunk or stored in small spaces.

Folding Electric Bicycle

Reduces Commute Time and Offers Freedom and Comfort



Image 4.2: The SAMEBIKE CY20 electric bike in its folded configuration, placed inside the trunk of a car, demonstrating its portability and ease of transport.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your SAMEBIKE CY20.

5.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid fully discharging the battery.

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use only the original charger provided with the bike.

5.2 Tire Pressure

Check tire pressure before each ride. Maintain the recommended pressure (usually indicated on the tire sidewall) for optimal performance and safety.

5.3 Brake System

Regularly inspect brake pads for wear and replace them when necessary. Ensure brake levers have proper tension and that the disc brakes are clean and free of oil or grease.

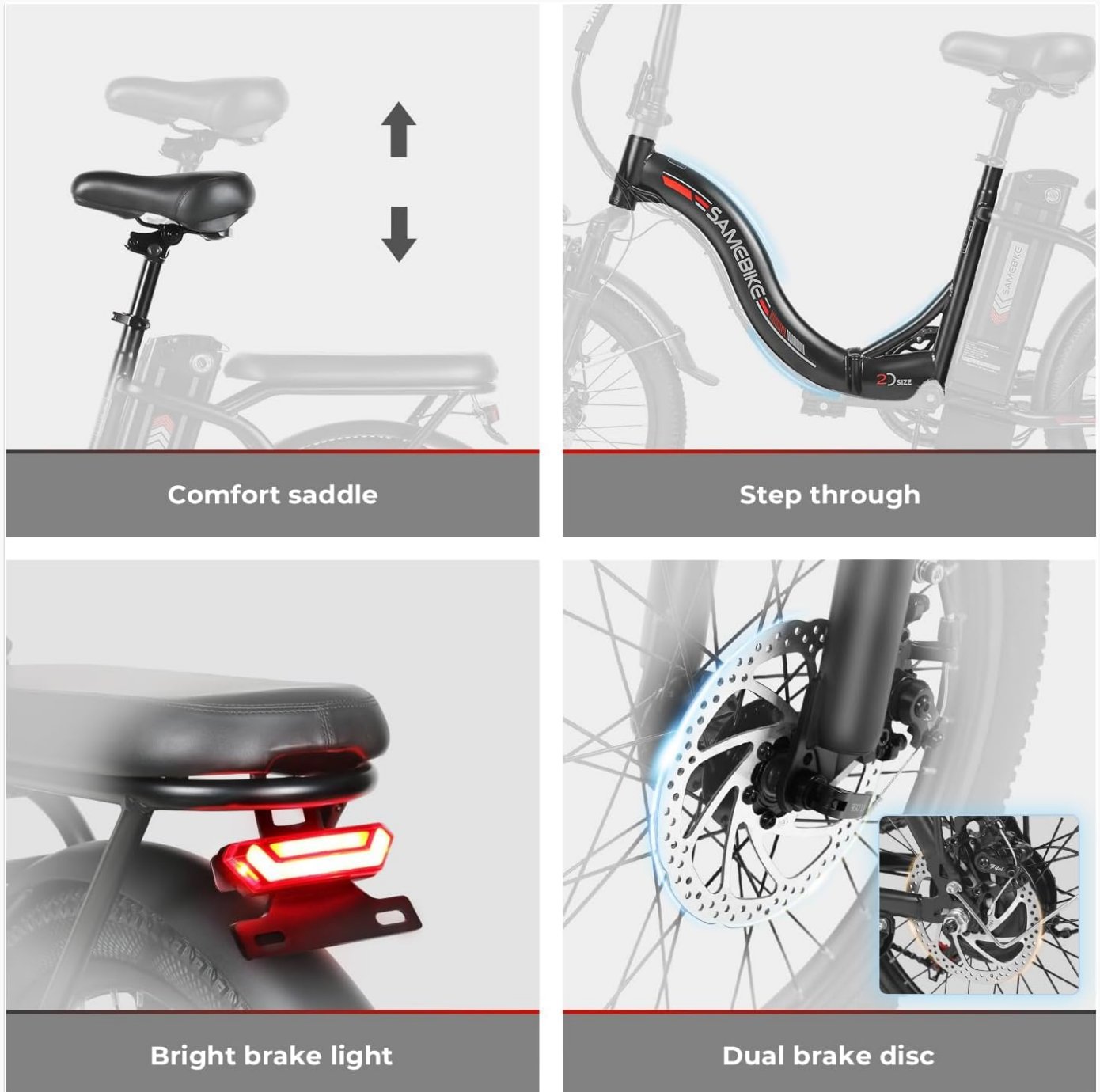


Image 5.1: A composite image highlighting various features of the bicycle, including the adjustable comfort saddle, the step-through frame design, the bright rear brake light, and the dual disc brake system.

5.4 Chain Lubrication

Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear. Apply bicycle-specific chain lubricant periodically.

5.5 General Cleaning

Clean the bike regularly 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 SAMEBIKE CY20.

- **Bike does not power on:** Check if the battery is properly installed and charged. Ensure the power button is pressed and held sufficiently.
- **Motor not assisting:** Verify the battery level. Ensure you are in an electric or pedal-assist mode. Check for any error codes on the display.
- **Brakes feel weak:** Inspect brake pads for wear. Check brake cable tension. Ensure disc rotors are clean.
- **Unusual noises:** Inspect the chain for proper lubrication and tension. Check for loose components or rubbing parts.
- **Short battery range:** Ensure the battery is fully charged. Riding conditions (hills, heavy loads, high assistance levels) can affect range. Check tire pressure.

For issues not listed here or if problems persist, contact SAMEBIKE customer support.

7. SPECIFICATIONS

Detailed technical specifications for the SAMEBIKE CY20 electric bike.

Foldable design

Can be loaded into the trunk and carried with you,
making you to ride anywhere



3 steps to fold



Image 7.1: A diagram illustrating the key dimensions of the SAMEBIKE CY20, including minimum and maximum heights, wheelbase, and folding dimensions. It also provides recommended rider height, bicycle weight, and maximum load capacity.

Feature

Specification

Model Name	CY20
Bike Type	Folding Bike
Age Range	Adult
Brand	SAMEBIKE
Number of Speeds	7
Frame Material	High Carbon Steel
Suspension Type	Dual
Brake Style	Disc
Wheel Size	20 inches
Motor	350W Brushless Geared Motor
Battery	36V 12Ah Lithium-ion
Charging Duration	4-6 hours
Max Range	Up to 50 miles (depending on conditions)
Bicycle Weight	64 lbs (29 kg)
Max Load Capacity	330 lbs (150 kg)
Included Components	Basket, Tool Kit

350W Powerful Motor

36v 350w powerful brushless motor
povides max 32km/h speed.



Image 7.2: An exploded view diagram illustrating the internal components of the 350W brushless motor, highlighting its power output, maximum speed (32 km/h), and maximum gradient (25°).



Image 7.3: A close-up view of the bicycle's front suspension fork, indicating its function for absorbing shocks on various terrains, including city roads and flat dirt paths.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The SAMEBIKE CY20 electric bike comes with a one-year manufacturer warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage resulting from misuse, accidents, unauthorized modifications, or normal wear and tear.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your SAMEBIKE CY20, please contact SAMEBIKE customer support through the retailer where the product was purchased or visit the official SAMEBIKE website for contact information.

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