

## COSWHEEL GT20-25AH

# COSWHEEL GT20 Electric Bike User Manual

Model: GT20-25AH | Brand: COSWHEEL

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your COSWHEEL GT20 Electric Bike. Please read this manual thoroughly before your first ride and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your electric bike.

The COSWHEEL GT20 is an electric bike designed for adults, featuring a powerful 1000W brushless motor, a 48V/25Ah removable battery, and 20" x 4.0 fat tires, making it suitable for various terrains including roads, mountains, and sand.

## 2. SAFETY INFORMATION

**Always prioritize safety when operating your electric bike.**

- Wear a helmet and appropriate safety gear at all times.
- Familiarize yourself with local traffic laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and lights.
- Do not operate the bike under the influence of alcohol or drugs.
- Ensure the battery is securely locked in place before riding.
- Avoid riding in extreme weather conditions or on excessively slippery surfaces.
- Maintain a safe distance from other vehicles and pedestrians.
- The maximum safe load for the bike is 120KG (150KG absolute maximum).

## 3. UNBOXING AND ASSEMBLY

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Your COSWHEEL GT20 Electric Bike comes 85% pre-assembled. The remaining assembly steps are straightforward and can be completed with the included tools and user manual. An installation tutorial video is also available for guidance.

### 3.1. Included Components

Upon unboxing, verify that all components are present:

- GT20-25AH Ebike x 1
- Tool Bag x 1
- Fender x 2
- Charger x 1
- User Manual x 1

### 3.2. Assembly Steps (Overview)

1. Carefully remove the bike and all components from the packaging.
2. Attach the front wheel and secure it properly.
3. Install the handlebars, ensuring they are aligned and tightened.
4. Attach the pedals (note left and right pedal orientation).
5. Install the seat post and adjust the seat height.
6. Mount the fenders.
7. Perform a final check of all bolts and quick releases to ensure they are securely fastened.

For detailed assembly instructions, refer to the included user manual and the official installation tutorial video.



Image: The COSWHEEL GT20 Electric Bike, showcasing its overall design and components.

## 4. KEY COMPONENTS OVERVIEW

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### 4.1. Motor

The GT20 is equipped with a powerful 1000W brushless motor (peak 1500W) delivering 80N.M torque. This motor provides strong power and climbing capabilities, allowing the bike to handle various terrains and inclines with ease.



Image: Detailed view of the 1500W peak powerful brushless motor, highlighting its robust design and specifications.

## 4.2. Battery

The bike features a high-capacity 48V/25Ah 18650 Lithium-ion battery with a BMS system, ensuring stable and strong output. The battery is removable for convenient charging and enhanced security. A full charge takes approximately 3.5-8 hours.





# 48V 25Ah Lithium Battery

Removable High Capacity Battery

**3.5–8Hrs**  
Full Charge

**93 Miles**  
Max Range

**Charging Modes**  
① Direct Charging ② Unlock the battery pack

**PAS Mode**  
83–93 Miles

**Electric Mode**  
55–62 Miles

Image: Visual representation of the 48V 25Ah removable lithium battery, detailing its capacity and charging modes.

### 4.3. Tires

The GT20 is equipped with 20" x 4.0" fat tires (All Terrain, Directional Tread, High-Density). These tires offer high wear resistance, superior grip, and reduced rolling friction, providing stability and protection across various road and weather conditions, including snow, mountain, sand, beach, and city roads.



Image: The COSWHEEL GT20 with its 20" x 4" fat tires, demonstrating its capability to adapt to diverse terrains.

#### 4.4. Braking System

The bike features an efficient hydraulic disc braking system on both the front and rear wheels. This system ensures timely and powerful braking, allowing for quick stops even during high-speed emergency situations, enhancing rider control and safety.

#### 4.5. Suspension

Equipped with automotive-grade dual shock absorbers, including an aluminum alloy shock absorber front fork and a rear shock absorber, the GT20 provides a comfortable and stable off-road riding experience by effectively absorbing bumps and vibrations.



# AUTOMOTIVE GRADE DUAL SHOCK ABSORBERS

Aluminum Alloy Shock Absorber Front Fork

Rear Shock Absorber



Image: Detailed view of the dual shock absorbers, highlighting the front fork and rear suspension for enhanced ride comfort.

## 4.6. Display and Lights

A large-sized LCD display provides essential information such as speed, headlight status, and fault codes. The bike also includes a classic angel eye headlight, front and rear turn signal lights, and a highlight LED rear brake light for improved visibility and safety.

## 4.7. Drivetrain

The COSWHEEL GT20 features a Shimano 7-speed gear system, allowing for sensitive shifting and labor-saving riding, even without electric assistance.

# ENJOY THE SPEED AND THRILL UNIMPEDED RIDING FREELY



## WATERPROOF

Waterproof IP65



## SHIMANO 7-SPEED DERAILLEUR

Sensitive shifting, labor-saving, easy to ride even without electricity



## COMFORTABLE SPONGE CUSHION

High-density rebound sponge long-term riding will not be tired providing multi-directional protection.



## HIGHLIGHT LED REAR LIGHT

Tail light after night riding, safety warning, to ensure night driving is safer.



## INTELLIGENT & AGILE CONTROLLER

Controller System: Adjust the operating speed of different road conditions, is better Balance performance, bring you Simo-level experience.



Image: An infographic illustrating various features including the Shimano 7-speed derailleur, IP65 waterproof rating, comfortable cushion, LED rear light, and intelligent controller.

## 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 until the display turns off.

### 5.2. Riding Modes

The COSWHEEL GT20 offers three distinct riding modes:

- **Bike Mode:** Operate the bike like a traditional bicycle, using only pedal power without electric assistance.
- **Pedal-Assist Mode:** The motor provides assistance as you pedal. The level of assistance can typically be adjusted via the display. This mode helps extend your range and reduce effort.
- **Electric Mode:** Twist the throttle to engage the motor and propel the bike without pedaling. The maximum



speed in this mode can reach 31MPH.



### BIKE MODE

Without electricity  
just pedaling.



### PEDAL ASSIST MODE

Gently pedal while  
turning on the power.



### ELECTRIC MODE

Twist the throttle while  
turning on the power.

Image: Visual explanation of the three riding modes: Bike Mode, Pedal Assist Mode, and Electric Mode.

## 5.3. Gear Shifting

Use the Shimano 7-speed gear shifter to adjust your pedaling resistance according to terrain and desired speed. Shift gears smoothly to avoid strain on the drivetrain.

## 5.4. Charging the Battery

The 48V/25Ah battery can be charged in two ways:

1. **Direct Charging:** Plug the charger directly into the charging port on the bike while the battery is installed.
2. **Unlock and Remove:** Unlock the battery pack, remove it from the bike, and charge it separately. This is convenient for charging indoors or in secure locations.

Always use the original charger provided with your COSWHEEL GT20. Do not use damaged chargers or attempt to charge with non-compatible devices.

## 6. MAINTENANCE

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Regular maintenance is crucial for the safety, performance, and longevity of your electric bike.

### 6.1. General Care

- Keep the bike clean. Wipe down the frame and components regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Store the bike in a dry, cool place, away from direct sunlight and extreme temperatures.
- Check all bolts and fasteners periodically for tightness.

### 6.2. Tires

- Regularly check tire pressure and inflate to the recommended PSI (indicated on the tire sidewall).
- Inspect tires for wear, cuts, or punctures before each ride.

### 6.3. Brakes

- Test brakes before each ride to ensure proper function.
- Check brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive.

### 6.4. Battery Care

- Charge the battery regularly, even if the bike is not in use, to maintain its health. Avoid fully discharging the battery.
- Do not expose the battery to extreme heat or cold.
- If storing the bike for an extended period, charge the battery to 50-70% and store it in a cool, dry place.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your COSWHEEL GT20 Electric Bike.

### 7.1. LCD Display Error Codes

The LCD display may show fault codes if an issue is detected. Refer to the detailed user manual for a list of specific error codes and their corresponding troubleshooting steps. Common issues often relate to motor, battery, or controller connections.

### 7.2. No Power

- Check if the battery is fully charged and properly inserted/locked.
- Ensure all electrical connections are secure.
- Verify the power button on the display is functioning.

### 7.3. Motor Not Assisting

- Confirm the bike is in Pedal-Assist or Electric Mode.
- Check battery charge level.



- Inspect the throttle and pedal-assist sensor connections.

### 7.4. Braking Issues

- Check brake pad wear.
- Inspect brake cables/hoses for damage or leaks (for hydraulic brakes).
- Ensure brake levers are properly adjusted.

If you encounter persistent issues or are unsure about a repair, please contact COSWHEEL customer service for professional technical guidance.

## 8. SPECIFICATIONS

Feature	Specification
Model Name	GT20
Item Model Number	GT20-25AH
Bike Type	Electric Bike, Electric Motorcycle, Electric Dirt Bike, Electric Mountain Bike, Commuting EBIke, Fat Tire Electric Bike
Age Range (Description)	Adult
Brand	COSWHEEL
Motor Power	Rated 1000W, Peak 1500W Brushless Motor
Motor Torque	80N.M
Battery Type	48V/25Ah 18650 Lithium-ion (Removable)
Lithium Battery Energy Content	1.2 Kilowatt Hours
Charging Time	3.5-8 hours
Range per Charge	50-93 Miles (83-93 Miles PAS Mode, 55-62 Miles Electric Mode)
Top Speed	31 MPH
Number of Speeds	7 (Shimano 7-Speed Gear)
Wheel Size	20 Inches (20" x 4.0" Fat Tires)
Frame Material	Aluminium Alloy
Suspension Type	Dual (Front Fork & Rear Shock Absorber)

Feature	Specification
Brake Style	Dual Hydraulic Disc Brakes (Front and Back)
Maximum Weight Recommendation	150 kg (Safety load ≤ 120KG)
Item Weight	47 Kilograms
Overall Size (L x W x H)	70.8 x 23.6 x 45.3 inches (1730 x 600 x 1150 mm)
Rider Height Recommendation	5.1 ft - 6.5 ft
Special Features	Electric, Portable, IP65 Waterproof, LCD Display, Angel Eye Headlight, Turn Signals, LED Rear Brake Light
Colour	Black & Yellow





Image: Detailed specifications including dimensions, battery capacity, charging time, net weight, payload capacity, and recommended rider height.

## 9. WARRANTY AND SUPPORT

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### 9.1. Warranty Information

Each COSWHEEL Electric Bike comes with a **1-year all-inclusive warranty service**. This warranty covers manufacturing defects and ensures that your product meets quality standards. Please retain your proof of purchase for warranty claims.

### 9.2. Customer Support

COSWHEEL provides professional technical guidance and customer support. If you have any questions regarding assembly, operation, maintenance, or troubleshooting, please do not hesitate to contact us. We aim to reply to all inquiries within 24 hours.

**Important Tip:** Please reserve the original packaging for some time after purchase. This will be essential in case of any issues requiring an Ebike return or warranty service.