

## DEEPOWER QS7

# DEEPOWER QS7 Electric Bicycle User Manual

Model: QS7

## 1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the DEEPOWER QS7 Electric Bicycle. This manual contains important information regarding the safe assembly, operation, maintenance, and troubleshooting of your e-bike. Please read this manual thoroughly before your first ride and keep it for future reference.

### 1.1 General Safety Guidelines

- Always wear a helmet that meets local safety standards.
- Familiarize yourself with and obey all local traffic laws and regulations for electric bicycles.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and all fasteners.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.

## 2. SETUP AND INITIAL ASSEMBLY

Your DEEPOWER QS7 electric bicycle arrives approximately 90% pre-assembled. The package includes necessary assembly tools and this user manual. Follow these steps to complete the assembly and prepare for your first ride.

### 2.1 Unpacking and Component Check

Carefully remove the bicycle and all components from the packaging. Verify that all items listed below are present:

- DEEPOWER QS7 E-bike x1
- Battery x1 (48V 20Ah)
- Charger x1
- Fenders x2
- Assembly Tool Kit x1
- User Manual x1

## 2.2 Assembly Steps

1. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely.
2. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the left pedal counter-clockwise and the right pedal clockwise into the crank arms. Tighten firmly with a wrench.
3. **Seat Post and Saddle:** Insert the seat post into the frame and adjust the saddle height for comfortable riding. Secure with the quick-release lever or bolt.
4. **Fender Attachment:** Install the front and rear fenders using the provided hardware.
5. **Tire Inflation:** Inflate the 20x4 inch fat tires to the recommended pressure indicated on the tire sidewall.

## 2.3 Initial Battery Charging

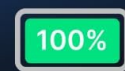
Before your first ride, fully charge the 48V 20Ah removable battery. A full charge typically takes 5-6 hours. The battery can be charged while installed on the bike or removed.

# Upgrade Your Range

Customizable battery for extended journeys



**3A** charger



5Hours Charging Time

48V 20/35/60AH

DEEPOWER

70-160  
miles

Image: The removable 48V 20Ah battery and charging process. A full charge takes approximately 5 hours.

## 3. OPERATING YOUR DEEPOWER QS7

The DEEPOWER QS7 offers a versatile riding experience with multiple modes and features designed for comfort and performance.

### 3.1 Powering On/Off and Display

To power on the bicycle, press and hold the power button on the centralized full-color LED display. The display will show speed, battery level, riding mode, and other essential information. Press and hold the power button again to turn off the bike.

# Centralized Full-Color LED Display



Image: Centralized full-color LED display showing Pedal-Assist, Throttle Only, and Pedal Only modes.

## 3.2 Riding Modes

The QS7 features three distinct riding modes:

- **Pedal Only Mode:** Ride the bicycle like a traditional bike without motor assistance.
- **Electric Only Mode (Throttle):** Use the throttle to propel the bike without pedaling. The maximum speed in this mode is 25 km/h.
- **Pedal-Assist Mode:** The motor provides assistance as you pedal, making riding easier, especially on inclines. You can adjust the level of assistance via the display.

## 3.3 Gear Shifting

The 7-speed transmission allows you to adjust your pedaling effort to match terrain and speed. Use the shifter on the handlebar to change gears smoothly. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

## 3.4 Braking System

The DEEPOWER QS7 is equipped with front and rear dual disc brakes for reliable stopping power in

various conditions. Always apply both brakes simultaneously for effective and controlled braking. Regularly check brake pads and cables for wear.

### 3.5 Lighting System

The e-bike features a bright headlight, brake light, and turn signals for enhanced visibility and safety, especially during night rides or in low-light conditions. Operate these lights via controls on the handlebar.



Image: The e-bike's lighting system, including a 600 lumens headlight, brake light, and turn signal for improved visibility.

## 4. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DEEPOWER QS7 electric bicycle.

### 4.1 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, away from direct sunlight and extreme temperatures.
- Use only the original charger provided.

## 4.2 Tires

The 20x4 inch fat tires provide excellent traction. Regularly check tire pressure and inflate to the recommended PSI. Inspect tires for cuts, punctures, or excessive wear. Replace worn tires promptly.

## 4.3 Brakes

Periodically check the brake levers for proper tension and ensure the brake pads are not excessively worn. Adjust or replace components as needed. Ensure brake cables are free from fraying or damage.

## 4.4 Suspension System

The DEEPOWER QS7 features a dual suspension system (front fork and central shock absorber) for a smooth ride. Keep suspension components clean and free of debris. Consult a professional for any complex adjustments or repairs.



Image: The e-bike's dual suspension system, including front fork suspension and a central coil shock for a smoother ride.

## 4.5 General Cleaning and Inspection

Clean your e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components. Periodically check all bolts, nuts, and fasteners for tightness. Lubricate the chain as needed.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your DEEPOWER QS7 electric bicycle.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated; loose connections.	Ensure battery is fully charged and securely inserted. Check all cable connections.
Motor not assisting	Low battery; incorrect riding mode; sensor issue.	Charge battery. Select Pedal-Assist or Electric Only mode. Check display for error codes.
Brakes feel weak	Worn brake pads; loose cable; air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust cable tension. Consult a bike mechanic for hydraulic brake issues.
Unusual noises during ride	Loose components; dry chain; rubbing parts.	Check all fasteners. Lubricate chain. Inspect for parts rubbing against each other (e.g., fenders, brake rotors).

If you encounter issues not listed here or cannot resolve a problem, please contact DEEPOWER customer support for assistance.

## 6. SPECIFICATIONS

Key technical specifications for the DEEPOWER QS7 Electric Bicycle:

Feature	Detail
Model	QS7
Motor	Brushless, Rear-mounted, 250W
Max Torque	120 N·m
Max Speed	25 km/h (15.5 mph)
Battery	48V 20Ah Removable Lithium-ion
Charging Time	5-6 hours

Feature	Detail
Range (Electric Only)	Up to 70 km (43 miles)
Range (Pedal-Assist)	Up to 110 km (68 miles)
Tires	20 x 4.0 inch Fat Tires
Gears	7-Speed Transmission
Brakes	Front and Rear Dual Disc Brakes
Suspension	Dual Suspension (Front Fork + Central Shock Absorber)
Frame Material	High-Carbon Steel
Wheel Material	High-Carbon Steel
Product Weight	Approx. 34 kg (75 lbs)
Max Recommended Load	Approx. 150 kg (330 lbs)
Color	Classic Grey



Image: Illustration of the e-bike's powerful motor, highlighting 120 N-m torque and 25 km/h top speed.

## 7. WARRANTY AND SUPPORT

DEEPOWER is committed to providing quality products and customer satisfaction.

### 7.1 Warranty Information

- A **1-year warranty** is provided for main components: battery, motor, controller, and display.
- Other parts of the bicycle are covered by a **6-month warranty**.
- Please retain your original packaging after delivery. This will facilitate any potential returns or replacements under warranty.

### 7.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact DEEPOWER customer support. Refer to your purchase documentation for specific contact details or visit the official DEEPOWER website.

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