

## DEEPOWER QS7

# DEEPOWER QS7 Electric Bike Instruction Manual

Model: QS7

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your DEEPOWER QS7 Electric Bike. Please read this manual thoroughly before using your electric bike and retain it for future reference.

The DEEPOWER QS7 is a powerful electric bike designed for adults, featuring a 2000W peak motor, capable of reaching speeds up to 28 MPH. It is equipped with a 48V battery (available in 20AH, 35AH, or 60AH options), offering a range of 70-160 miles. Its dual suspension system and 20-inch fat tires make it suitable for various terrains, including mountains, trails, sand, and snow.



*Image: The DEEPOWER QS7 Electric Bike, showcasing its robust design and suitability for outdoor adventures.*

## 2. SETUP AND ASSEMBLY

Your DEEPOWER QS7 Electric Bike arrives 90% pre-assembled. Follow these steps and refer to the installation video for complete setup.

### 2.1. Unboxing and Initial Inspection

Carefully open the box and remove all components. Inspect for any damage during transit. Ensure all parts listed in the packing list are present.



*Image: The DEEPOWER QS7 Electric Bike components laid out after unboxing, including the main frame, wheels, and accessories.*

### 2.2. Handlebar Installation

1. Move the product to a stable position.
2. Install the handlebar head onto the fork stem.
3. Tighten the four screws on the handlebar clamp correctly and securely using the provided tool.

## 2.3. Front Wheel and Fender Installation

1. Install the axle shafts into the front wheel.
2. Carefully align the front wheel with the fork, ensuring the brake rotor slides into the caliper.
3. Secure the front wheel by tightening the axle nuts in the specified order.
4. Install the front fender by attaching it to the designated mounting points on the fork using the provided screws and tools.

## 2.4. Headlight Installation

1. Fix the headlight to the front of the bike using the bracket and screws.
2. Connect the headlight's power supply cable to the corresponding connector on the bike's wiring harness.

## 2.5. Pedal Installation

1. Identify the left (L) and right (R) pedals.
2. Thread the right pedal (R) clockwise into the right crank arm.
3. Thread the left pedal (L) counter-clockwise into the left crank arm.
4. Tighten both pedals securely with a wrench.

## 2.6. Powering On

1. Insert the key into the battery lock and twist to the 'ON' position.
2. Press and hold the power button on the display to turn on the bike.

## 2.7. Assembly Video

For a visual guide, please refer to the official DEEPOWER QS7 Electric Bike Installation Video:

*Video: Official DEEPOWER QS7 Electric Bike Installation Video. This video demonstrates the complete assembly process from unboxing to first power-on, including handlebar, wheel, fender, headlight, and pedal installation.*

# 3. OPERATING INSTRUCTIONS

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## 3.1. Speed Limit Removal Tutorial

The DEEPOWER QS7 Electric Bike may come with a speed limit enabled by default, typically around 25 km/h (15.5 mph). To unlock the full speed capability (up to 50 km/h or 31 mph), you need to disconnect a specific wire from the controller.

1. Locate the two white wires connected to the controller, usually near the rear wheel or under the seat. These wires are typically secured with a zip tie.
2. Carefully disconnect these two white wires.
3. Once disconnected, the bike's maximum speed will be increased.

**Note: Disconnecting the speed limit wire may affect the bike's legal classification and usage regulations in your region. Always comply with local laws and regulations regarding electric bicycle speed limits.**

### 3.2. Riding Modes

The DEEPOWER QS7 offers multiple riding modes:

- **Pedal-Assist Mode:** Provides motor assistance as you pedal.
- **Throttle Only Mode:** Allows you to ride using only the throttle, without pedaling.
- **Pedal Only Mode:** Ride the bike like a traditional bicycle without motor assistance.

**Centralized Full-Color LED Display**

**LED VS LCD**

LED	LCD
No Glare - Visibility	Prone to Glare Low- Power Consumption Level
100000+ Hours- Use Life	3000+ Hours- Use Life
-20°C~60°C-Climate Adaptability	Prone to Blackouts
Color / Auto-adjust / Multi-Mode-Functional Expandability	Mostly Monochrome / Fixed

The image shows a comparison between a modern, circular, full-color LED display and a traditional rectangular LCD display. The LED display is shown on a motorcycle handlebar, displaying speed (32 km/h), battery level, and other metrics. The LCD display is shown as a separate unit with a monochrome screen. The comparison highlights the advantages of the LED display in terms of visibility, lifespan, and climate adaptability.

Image: Centralized Full-Color LED Display, showing different riding modes and key information. The LED display offers better visibility, longer lifespan, and climate adaptability compared to traditional LCDs.

## 4. FEATURES AND COMPONENTS

### 4.1. Motor and Performance

The QS7 is equipped with a 2000W peak brushless motor, providing strong acceleration and the ability to conquer slopes up to 30 degrees. The 7-speed drivetrain ensures smooth gear shifts for various riding conditions.

**Improved Brushless Motor**

**2000W**

Durability <b>36%</b> ↑	Speed <b>45%</b> ↑	Load Capacity <b>50%</b> ↑
28MPH   99N.m		

The image features a rider on a DEEPOWER QS7 motorcycle in motion, with a blurred background suggesting speed. The text 'Improved Brushless Motor' is prominently displayed. Below it, three performance metrics are highlighted with upward arrows: Durability (36%), Speed (45%), and Load Capacity (50%). A speedometer shows 28MPH and 99N.m. A large '2000W' power output is also indicated.

Image: Improved Brushless Motor, illustrating its power output and efficiency for enhanced riding performance.

### 4.2. Battery System

The bike features a removable 48V battery, available in 20Ah, 35Ah, or 60Ah capacities. This offers a range of 70 to 160 miles depending on the battery option and riding conditions. The battery is designed for easy

removal for convenient charging.

### Upgrade Battery

QS7 stands out with flexible 48V battery options (20AH / 35AH / 60AH)

0 open flame and 0 thermal runaway risk even at extreme 65°C

20AH	70 Miles
35AH	90 Miles
60AH	160 Miles



Image: Upgrade Battery, detailing the flexible 48V battery options (20AH, 35AH, 60AH) and their respective ranges.

### 4.3. Frame and Suspension

The QS7 is built with a diamond-type high-carbon steel frame, providing durability and a maximum load capacity of 330 lbs. It features a dual suspension system, including a front fork and a rear shock (RockShox Super Deluxe Coil Shock), to absorb bumps and smooth out rough terrain for a comfortable ride.

### Diamond-type High-Carbon Steel Frame

330LBS

- High Load Capacity (330 lbs)
- Impact Resistant
- Durable

Removable Rear Rack



Image: Diamond-type High-Carbon Steel Frame, highlighting its 330 lbs load capacity, impact resistance, and durability, along with a removable rear rack.

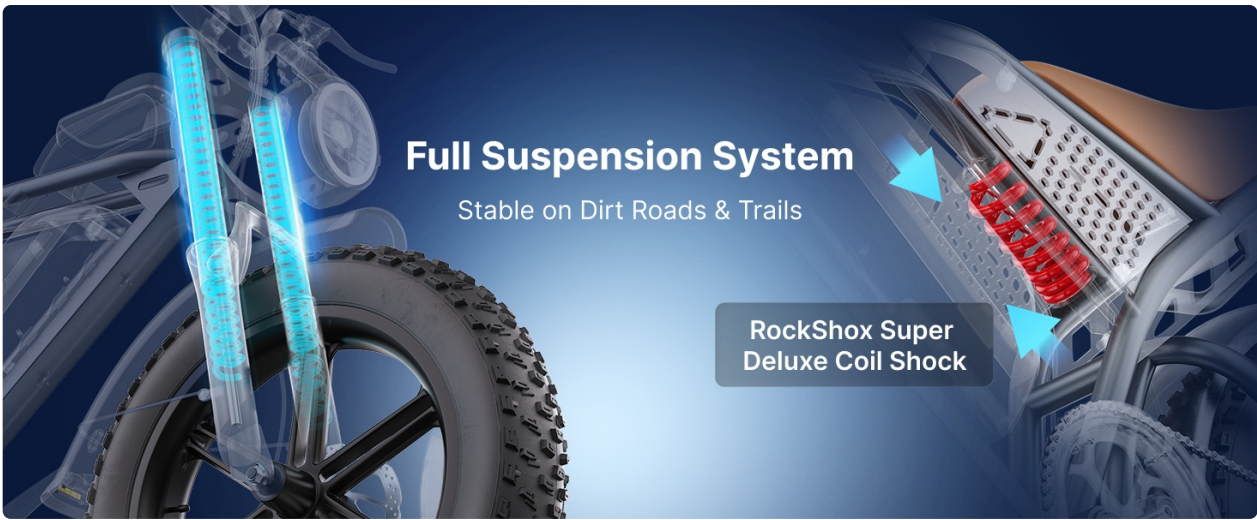


Image: Full Suspension System, showing the front fork and RockShox Super Deluxe Coil Shock for stable riding on dirt roads and trails.

#### 4.4. Tires and Brakes

The 20"x4" puncture-resistant fat tires provide excellent stability and traction across various surfaces, including sand, snow, mountains, and urban environments. Dual disc brakes on both the front and rear wheels ensure reliable stopping power and superior heat dissipation.



Image: 20"x4" All-Terrain Fat Tires, showcasing their tread pattern and suitability for sandy, snowy, mountain, and urban surfaces.



*Image: Reliable Dual Disc Brakes, showing the front and rear disc brakes designed for balanced braking force and easy maintenance.*

## 4.5. Lighting and Comfort

The bike features a 360° protection system with a precision-projection headlight (100-foot beam with anti-glare lens), brake lights, and turn signal lights for enhanced safety. The extra-thick and extended seat is designed for long-ride comfort, pressure reduction, and plush cushioning.

*Image: Total 360° Protection, detailing the precision headlight, brake light, and turn signal light for safe riding.*



*Image: Comfortable Riding Experience, featuring the extra-thick and extended seat designed for long-ride comfort, pressure reduction, and plush cushioning.*

## 5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your DEEPOWER QS7 Electric Bike. Perform the following checks and tasks regularly:

- **Tire Pressure:** Check tire pressure before each ride and inflate to the recommended PSI.
- **Brakes:** Inspect brake levers, cables, and pads for wear. Ensure brakes are responsive and adjust as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth operation and prevent rust.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are securely tightened.
- **Battery:** Keep the battery charged and store it in a cool, dry place when not in use. Avoid fully discharging the battery.
- **General Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.

## 6. TROUBLESHOOTING

If you encounter any issues with your DEEPOWER QS7 Electric Bike, consider the following basic troubleshooting steps:

- **Bike Not Powering On:** Check if the battery is properly inserted and locked, and if it has sufficient charge. Ensure the key is in the 'ON' position and the power button on the display is pressed.

- **Motor Not Assisting:** Verify that the pedal-assist level is set correctly on the display. Check if the speed limit wire is connected if you desire higher speeds (refer to Section 3.1).
- **Brakes Squealing or Ineffective:** Inspect brake pads for wear and contamination. Ensure brake calipers are properly aligned.
- **Unusual Noises:** Check for loose components, chain issues, or debris caught in moving parts.

For more complex issues, please contact DEEPOWER customer support.

## 7. SPECIFICATIONS

Feature	Specification
Bike Type	Electric Bike
Brand	DEEPOWER
Model Name/Number	QS7
Motor	2000W Peak
Top Speed	Up to 28 MPH (with speed limit enabled), Up to 50 km/h (31 MPH) (speed limit removed)
Battery	48V 20AH/35AH/60AH (Removable)
Max Range	70-160 Miles (depending on battery option and mode)
Wheel Size	20 Inches (Fat Tires)
Tire Type	20"x4" Puncture-Resistant
Frame Material	High Carbon Steel
Suspension Type	Dual (Front Fork + Rear Shock)
Brake Style	Dual Disc Brakes
Number of Speeds	7
Display	Centralized Full-Color LED Display
Max Weight Recommendation	330 Pounds
Bicycle Weight	73 Pounds
Recommended Age Range	Adult



Image: Size Guide, providing key dimensions, load capacity, bicycle weight, and recommended rider height for the DEEPOWER QS7.

## 8. WARRANTY AND SUPPORT

Your DEEPOWER QS7 Electric Bike comes with a full 1-year warranty. This warranty covers parts that are proven to be damaged within one year after purchase, provided corresponding pictures or videos are submitted.

For any questions, technical assistance, or warranty claims, please contact DEEPOWER customer support via email. We aim to provide professional after-sales service within 24 hours on working days.

**We recommend retaining the original packaging for the best warranty service.**



Image: DEEPOWER Customer Service details, including 12 months warranty, contact hours (Mon-Fri, 9:00 am-6:00 pm EST), and a QR code for email support.

