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> ONESPORT OT05 Pro Electric Bicycle User Manual

ONESPORT OT05 Pro

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Model: OT05 Pro | Brand: ONESPORT

1. INTRODUCTION

Thank you for choosing the ONESPORT OT05 Pro Electric Bicycle. This manual provides essential information for the safe assembly, operation, and maintenance of your e-bike. Please read this manual thoroughly before your first ride and keep it for future reference. Proper assembly and understanding of the features will ensure a safe and enjoyable riding experience.

Safety First: Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations.

2. PRODUCT OVERVIEW

The ONESPORT OT05 Pro is a 27.5-inch electric mountain bike designed for adults, featuring a powerful 250W motor, a long-lasting 36V 22.5Ah lithium battery, and responsive hydraulic disc brakes. It is equipped with a torque sensor for intuitive pedal assistance and a 7-speed transmission for versatile riding.

Image: The ONESPORT OT05 Pro electric bicycle highlighting its 250W motor, 25 KM/H max speed, 40 Nm torque, 30° max slope, and 7-speed gear system.

3. ASSEMBLY INSTRUCTIONS

Your ONESPORT OT05 Pro electric bicycle comes partially assembled. Please follow these steps carefully to complete the assembly. A 16-in-1 installation tool is included in the box.

3.1. Unboxing and Component Check

Carefully remove all components from the packaging. Verify that all parts are present:

- Electric Bicycle Frame (partially assembled)
- Handlebar
- Front Wheel
- Pedals (Left and Right)
- Headlight
- Front Mudguard
- Rear Derailleur Protector
- Seat and Seatpost
- Charger
- Instruction Manual
- 16-in-1 Installation Tool
- Pump
- Mobile Phone Bag
- Quick Release Axle (for front wheel)

3.2. Handlebar Installation

1. Rotate the stem to the proper direction and loosen the screws on the stem clamp.
2. Place the handlebar onto the stem.
3. Lock the stem clamp by tightening the screws evenly.
4. Cover the screw cap.

3.3. Handlebar Height Adjustment

1. Loosen the side screw on the stem.
2. Rotate the handlebar to the desired height.
3. Tighten the side screw to secure the handlebar.

3.4. Headlight Installation

1. Loosen the screw on the fork arch.
2. Slide the screw through the headlight bracket and fork arch.
3. Tighten the screw to secure the headlight.
4. Connect the headlight cable.

3.5. Front Mudguard Installation

1. Loosen the screw on the fork lowers.
2. Attach the lower supports of the mudguard to the fork lowers.
3. Tighten the screws to secure the mudguard.

3.6. Front Wheel Installation

1. Turn the bike upside down.
2. Remove the temporary protector and brake pad spacer from the brake caliper.
3. Remove the wheel hub protector and nut.
4. Insert the wheel between the fork blades so that the axle can seat firmly at the fork dropouts.
5. Slide the spring into the hub and tighten the nut to fix the quick release.

6. Ensure the quick release lever is securely closed.

3.7. Pedal Installation

Note: The left pedal is marked 'L' and the right pedal is marked 'R'. They thread in opposite directions.

1. Insert the right pedal (R) into the right crank arm and tighten it clockwise.
2. Insert the left pedal (L) into the left crank arm and tighten it counter-clockwise.

3.8. Rear Derailleur Protector Installation

1. Loosen the nut on the rear axle.
2. Install the rear derailleur protector over the axle.
3. Tighten the nut to secure the protector.

3.9. Seat Installation

1. Insert the seatpost into the frame's seat tube.
2. Adjust the seat to a suitable height, ensuring the minimum insertion mark on the seatpost is not visible.
3. Fix it by tightening and locking the quick release lever.

3.10. Battery Installation and Removal

1. **To Remove:** Insert the key, turn it clockwise to unlock the battery, and remove the battery from the battery compartment.
2. **To Install:** Put the battery into the battery compartment until it snaps into place. Ensure it is securely locked.



Image: Technical diagram illustrating the dimensions and key components of the electric bicycle.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the e-bike's controls before riding.

4.1. LCD Control and Power On/Off

1. **Power On:** Long press the on/off button on the LCD display to turn it on.
2. **Power Off:** Long press the on/off button to turn the display off.
3. The HD display shows speed, battery level, assist level, and other riding data.

4.2. Adjusting Assist Levels

The e-bike features 5 assist levels:

- Short press the '+' button to increase the assist level.
- Short press the '-' button to decrease the assist level.

4.3. Light Control

To turn the headlight on or off, long press the '+' button.

4.4. 6km/h Walk Mode

For assistance when walking alongside your bike:

- Long press the '-' button to activate the walk mode (6km/h).
- Release the '-' button to disable the walk mode.

4.5. Checking the Braking System

Before each ride, ensure both front and rear hydraulic disc brakes are functioning correctly. Squeeze each brake lever individually and verify that the corresponding wheel stops firmly and smoothly.



Image: The e-bike's handlebar featuring the HD LCD display and a smartphone connected via Bluetooth, showing the app interface for monitoring speed, range, and settings.

5. KEY FEATURES

The ONESPORT OT05 Pro is equipped with advanced features for performance and comfort:

5.1. Powerful 250W Motor

The 250W motor provides reliable power, optimized for European standards, allowing you to climb inclines up to 30° with ease.

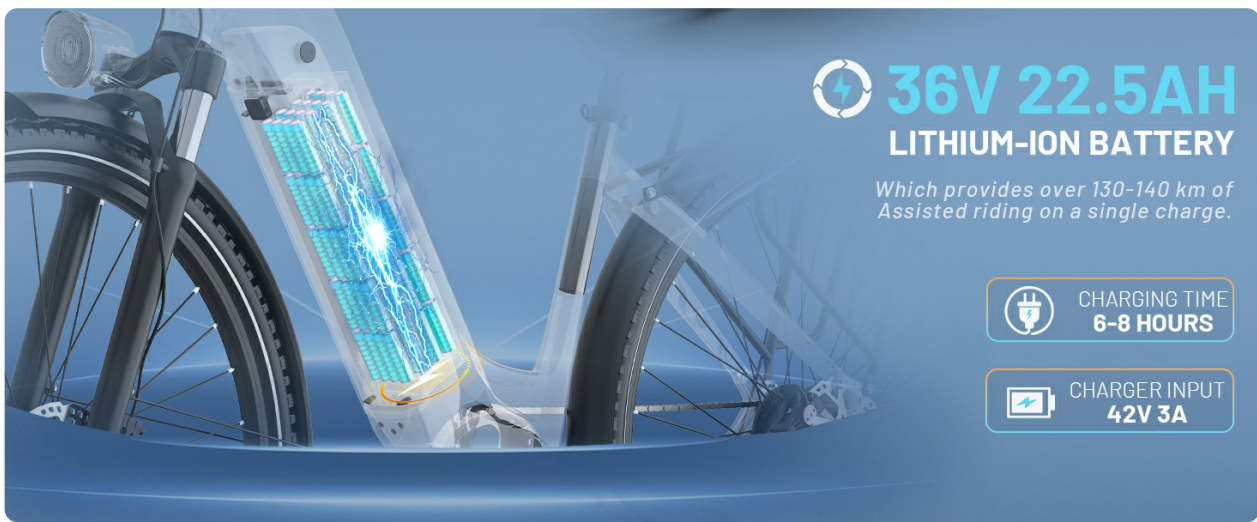


Image: A cutaway view of the 250W high-speed brushless motor, highlighting its internal components and integration with the rear wheel.

5.2. High-Capacity 36V 22.5Ah Lithium Battery

The superior 36V 22.5Ah lithium battery offers an extended range of up to 140 km in assisted mode on a single charge, with a charging time of 6-8 hours.



Image: A visual representation of the hidden 36V 22.5Ah lithium-ion battery, showing its placement within the bicycle frame and indicating a ride range of 130-140 KM.

5.3. Intelligent Torque Sensor

The intelligent torque sensor ensures intuitive and smooth pedal assistance, making every pedal stroke feel natural and effortless.

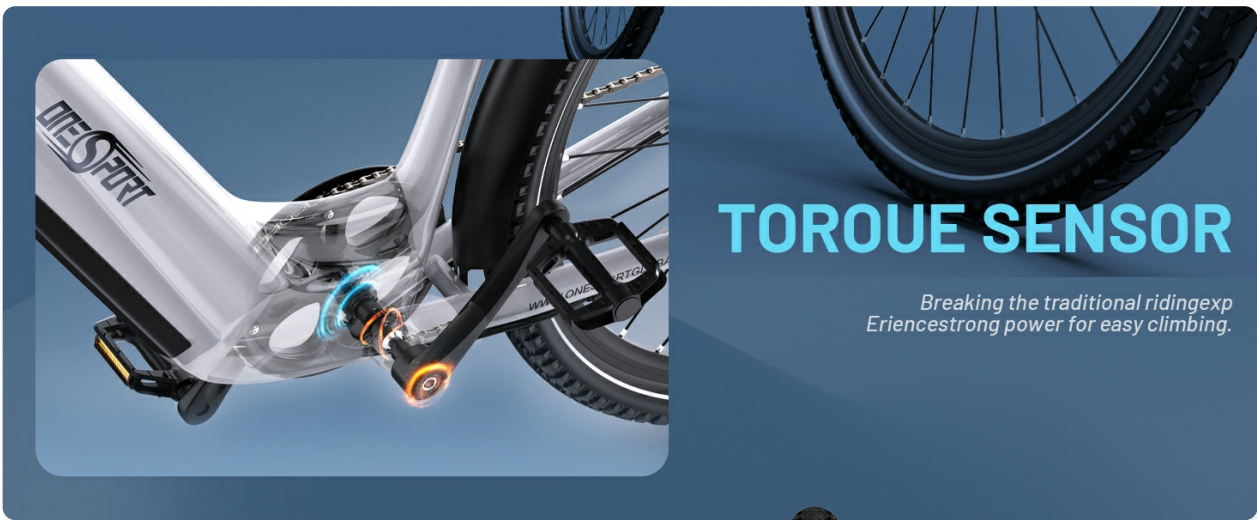


Image: A detailed view of the torque sensor integrated into the e-bike's crank arm, designed for responsive power delivery.

5.4. Dual Hydraulic Disc Brakes

Equipped with 180mm hydraulic disc brakes (anti-corrosion treated) for powerful, progressive, and instant stopping power, even in wet conditions. Features automatic motor cut-off for enhanced safety.

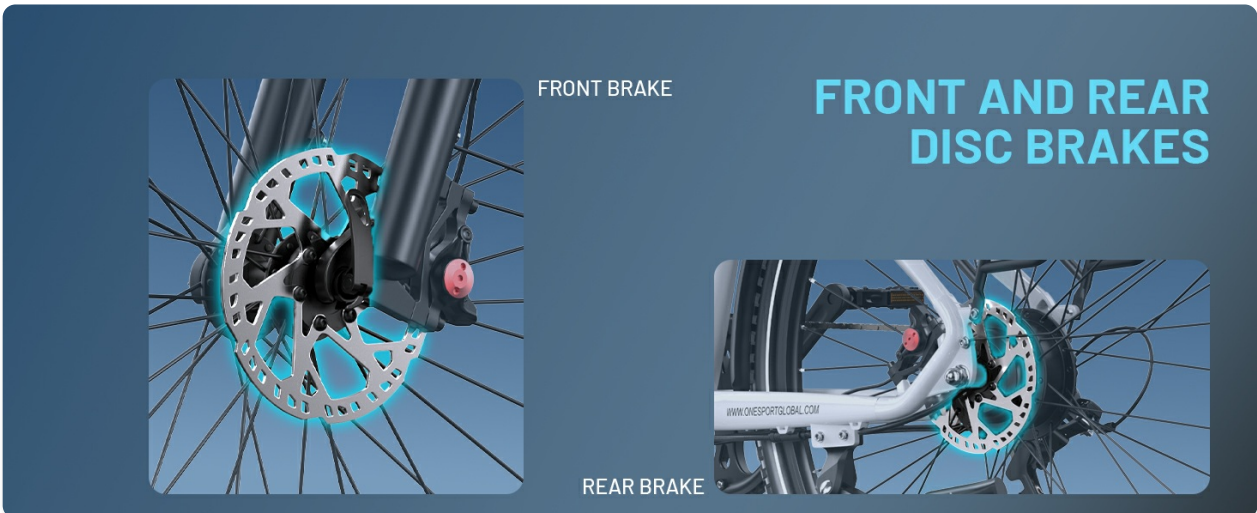


Image: Close-up views of the front and rear hydraulic disc brakes, emphasizing their robust design for maximum safety.

5.5. Front Suspension Fork

The front suspension fork absorbs bumps and vibrations, providing a smoother and more comfortable riding experience across various terrains.

FRONT SUSPENSION FORK

*Reduce bumps and vibrations during
Your ride providing a smoother
And more comfortable riding experience.*



Image: A visual representation of the front suspension fork, designed to reduce impact and enhance rider comfort.

5.6. Durable 27.5-inch Road Tires with Safety Reflective Strip

The 27.5-inch tires are designed for durability and traction, ensuring stability and a comfortable ride on any terrain. They feature a safety reflective strip for increased visibility.

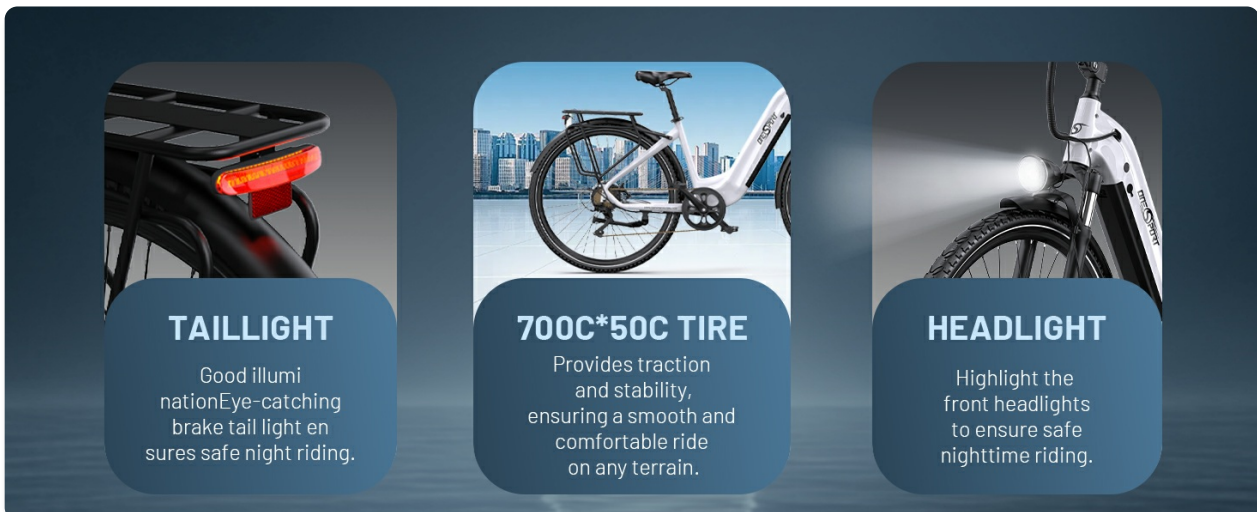


Image: Close-ups of the taillight for good illumination, 700C*50C tires for traction and stability, and the front headlight for safe nighttime riding.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your ONESPORT OT05 Pro electric bicycle. Perform the following checks and tasks regularly:

- **Tires:** Check tire pressure before each ride. Ensure tires are inflated to the recommended PSI. Inspect for wear and damage.
- **Brakes:** Regularly check brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.
- **Battery:** Recharge the battery regularly, especially after long rides. Avoid completely draining the battery. Store the battery indoors in a cool, dry place.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness.

- **Cleaning:** Clean your e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.

7. TROUBLESHOOTING

If you encounter any issues with your ONESPORT OT05 Pro, please refer to this basic troubleshooting guide. For more complex problems, consult a qualified bicycle technician or contact customer support.

- **No Power:** Ensure the battery is fully charged and correctly installed. Check that the power button on the display is pressed correctly.
- **Motor Not Assisting:** Verify that the assist level is not set to '0'. Check for any error codes on the LCD display. Ensure all electrical connections are secure.
- **Brakes Squealing/Ineffective:** Inspect brake pads for wear and contamination. Clean rotors if necessary. If hydraulic brakes feel spongy, they may need bleeding by a professional.
- **Unusual Noises:** Check for loose components, chain issues, or debris caught in moving parts.
- **Display Not Working:** Check battery connection and ensure the display cable is securely connected.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Age Range	Adult
Bike Type	Electric Bicycle
Brake Type	Disc (Hydraulic front and rear)
Color	Blue-grey
Dimensions (L x W x H)	190 x 67 x 115 cm
Frame Size	190cm x 67cm x 115cm
Style	Urban
Material Type	Aluminum
Number of Speeds	7
Power Source	Electric
Special Features	Torque Sensor, Dual Suspension, Hydraulic Front and Rear Brakes, Multiple Speeds, Rechargeable
Usage	Racing, Freestyle, Snow, Road, Jumping (Note: Usage may vary based on rider skill and conditions)
Suspension	Fork Suspension
Wheel Size	27.5 Inches
Wattage	250 Watts

Specification	Detail
Battery	21700 A - included
Product Weight	29 kilograms
Model Number	OT05 Pro

9. WARRANTY AND SUPPORT

Your ONESPORT OT05 Pro Electric Bicycle comes with a comprehensive warranty and support:

- **Return Policy:** Enjoy a 14-day return policy without specific reason.
- **Manufacturer's Warranty:** A 2-year manufacturer's warranty covers technical defects.
- **Included Components:** Charger X 1, Handlebar X 1, Pedal X 1, Quick Release Axle X 1, Pump X 1, Instruction Manual X 1, 16-in-1 Installation Tool X 1, Mobile Phone Bag X 1.

For any technical assistance or warranty claims, please refer to the contact information provided in your included instruction manual or contact the seller, ChangXiao Ebike, directly through the Amazon platform.