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> [DYU D3S Folding Electric Bicycle User Manual](#)

DYU D3S

DYU D3S Folding Electric Bicycle User Manual

Model: D3S

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your DYU D3S Folding Electric Bicycle. Please read this manual thoroughly before using the bicycle and retain it for future reference.

The DYU D3S is a compact and portable electric bicycle designed for urban commuting and leisure. It features a durable carbon steel frame, a powerful motor, and a long-range battery, making it suitable for daily use.

Key Features:

- Compact and foldable design for easy transport and storage.
- 36V 10Ah lithium battery offering up to 40 km range.
- 250W brushless motor with 30 Nm torque, reaching a maximum speed of 25 km/h.
- Front and rear disc brakes for enhanced safety.
- Integrated LED headlight for visibility.
- Adjustable saddle for rider comfort.
- Lightweight carbon steel frame, weighing 19.7 kg.
- Maximum load capacity of 120 kg.

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to local traffic laws and regulations when operating the electric bicycle. Failure to follow these instructions may result in serious injury or damage to the product.

- Always wear a helmet and appropriate safety gear.
- Ensure all components are securely fastened before each ride.
- Check tire pressure, brakes, and battery level before use.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions (heavy rain, snow, ice).

- Be aware of your surroundings and other road users.
- Do not exceed the maximum load capacity of 120 kg.
- The bicycle is suitable for adults between 140 cm and 180 cm in height.

3. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your DYU D3S electric bicycle.



Image 3.1: The DYU D3S Folding Electric Bicycle in its fully assembled, unfolded state. This image provides an overview of the bicycle's design, including the handlebars, seat, frame, wheels, and integrated battery compartment.

- **Handlebars:** For steering and control, equipped with brake levers and display.
- **Frame:** Carbon steel, foldable design.
- **Seat/Saddle:** Adjustable for rider height and comfort.
- **Wheels:** 14-inch wheels with disc brakes.
- **Motor:** 250W brushless motor located in the rear wheel hub.
- **Battery:** Integrated 36V 10Ah lithium battery.
- **Pedals:** Foldable pedals.
- **Lights:** Front LED headlight and rear light.
- **Brakes:** Front and rear mechanical disc brakes.

4. SETUP AND ASSEMBLY

Your DYU D3S electric bicycle comes mostly pre-assembled. Follow these steps to prepare it for its first ride.

4.1 Unfolding the Bicycle

1. **Unpack:** Carefully remove the bicycle from its packaging.
2. **Unfold Frame:** Locate the main folding latch on the frame. Release the latch and unfold the frame until it locks securely into place. Ensure the safety clasp is engaged.
3. **Raise Handlebar Stem:** Release the handlebar stem latch and raise the stem to its upright position. Secure the latch and engage the safety clasp.
4. **Adjust Handlebars:** Adjust the handlebar height if necessary and tighten the quick-release lever.
5. **Unfold Pedals:** Push the pedals inward towards the crank arm and then rotate them down until they lock into position.
6. **Adjust Seat Post:** Loosen the quick-release lever on the seat post. Adjust the seat height to a comfortable riding position where your feet can touch the ground when stopped. Tighten the quick-release lever securely.

Bequemes Reisen

Höhenverstellbarer Sattel

Faltbares Design



Image 4.1: The DYU D3S Folding Electric Bicycle in its compact, folded state, demonstrating its portability. This image highlights how the bicycle can be easily carried or stored, ideal for commuters.

4.2 Initial Battery Charge

Before your first ride, fully charge the battery. The charging port is typically located on the side of the battery housing.

- Connect the charger to the charging port on the bicycle.
- Plug the charger into a standard wall outlet.
- The indicator light on the charger will typically turn red during charging and green when fully charged.
- Charging time is approximately 6-8 hours for a full charge.
- Do not overcharge the battery. Disconnect the charger once charging is complete.



Image 4.2: A detailed view of the DYU D3S battery, indicating its high quality, 36V 10Ah capacity, and potential for up to 60km of pedal assistance.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on, press and hold the power button on the display unit (usually located on the handlebars) for a few seconds.
- To power off, press and hold the power button again until the display turns off.

5.2 Riding Modes

The DYU D3S typically offers different riding modes:

- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. The level of assistance can usually be

adjusted via buttons on the display. The bicycle features 3 pedal assist levels.

- **Electric Mode (Throttle):** If equipped, a throttle allows you to ride without pedaling, using only motor power. *(Note: Check local regulations regarding throttle use.)*
- **Normal Bicycle Mode:** The electric system is off, and you ride it like a traditional bicycle.

5.3 Braking

The DYU D3S is equipped with front and rear disc brakes for effective stopping power.

- The right lever typically controls the rear brake, and the left lever controls the front brake.
- Apply both brakes gently and evenly for controlled stopping. Avoid sudden, hard braking, especially with the front brake, to prevent skidding.



Image 5.1: A rider on the DYU D3S Folding Electric Bicycle, with key safety features such as the bright front light, bright rear light, front disc brake, and rear disc brake clearly indicated. This image emphasizes the safety aspects of the bicycle.

5.4 Folding for Storage/Transport

To fold the bicycle for storage or transport, reverse the unfolding steps:

1. Lower the seat post to its lowest position.

2. Fold the pedals by pushing them inwards and rotating them upwards.
3. Release the handlebar stem latch and fold the stem downwards. Secure the latch.
4. Release the main frame folding latch and fold the frame in half. Secure the latch and safety clasp.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DYU D3S electric bicycle.

6.1 Cleaning

- Clean the bicycle regularly with a damp cloth and mild soap.
- Avoid using high-pressure washers, which can damage electrical components.
- Dry the bicycle thoroughly after cleaning.

6.2 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to 50-70% capacity.

6.3 Brakes

- Regularly check brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust brake cables if there is too much slack.

6.4 Tires

- Check tire pressure before each ride. Maintain the recommended pressure (usually indicated on the tire sidewall).
- Inspect tires for cuts, punctures, or excessive wear.

6.5 Chain

- Keep the chain clean and lubricated to ensure smooth operation and prevent rust.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your DYU D3S electric bicycle.

Problem	Possible Cause	Solution
Bicycle does not power on.	Battery is depleted or not connected.	Charge the battery. Ensure the battery is properly seated and connected.
Motor not providing assistance.	Low battery, pedal assist level too low, or sensor issue.	Check battery level. Increase pedal assist level. Inspect pedal assist sensor for damage.

Problem	Possible Cause	Solution
Brakes feel weak or spongy.	Worn brake pads, loose cable, or air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. If hydraulic, consult a professional.
Tires losing air quickly.	Puncture or valve issue.	Inspect tires for punctures and repair or replace the inner tube. Check valve stem for leaks.
Unusual noises during riding.	Loose components, dry chain, or brake rub.	Check all bolts and fasteners. Lubricate the chain. Adjust brake calipers if rubbing.

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

8. SPECIFICATIONS

Feature	Detail
Model	DYU D3S
Type	Folding Electric Bicycle
Frame Material	Carbon Steel
Wheel Size	14 Inches
Motor Power	250 Watts
Max Speed	25 km/h
Battery	36V 10Ah Lithium-ion
Range (per charge)	Up to 40 km
Charging Time	6-8 hours
Brakes	Front and Rear Disc Brakes
Weight	19.7 kg
Max Load Capacity	120 kg
Recommended Rider Height	140 cm - 180 cm
Dimensions (Packaged/Folded)	119 x 20 x 59 cm (L x W x H)
Pedal Assist Levels	3
Suspension	None

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. DYU products typically come with a manufacturer's warranty covering defects in materials and workmanship for a specified period.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact DYU customer support or your authorized dealer. Have your model number (D3S) and purchase details ready when contacting support.

For further assistance, you may visit the official DYU website or contact the seller through your purchase platform.

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