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Hiboy EX6 Electric Bike User Manual

MODEL: EX6

1. Safety Information

Before operating your Hiboy EX6 Electric Bike, please read this manual thoroughly and retain it for future reference. Always prioritize your safety and adhere to local traffic laws and regulations.

- Always wear a helmet and appropriate safety gear when riding.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Be aware of your surroundings and ride defensively.
- Do not operate the electric bike under the influence of alcohol or drugs.
- Familiarize yourself with the bike's controls and features before riding at higher speeds or in challenging conditions.

Traffic Notice for New York State: In New York State, you cannot use this device on sidewalks or on highways with speed limits over 30 MPH (except where local laws, ordinances, rules, or regulations allow). Consult with local cities, towns, or villages where you are operating this device for their specific conditions. Always yield to pedestrians and follow traffic rules.



Image: Hiboy EX6 charger with a warning label and a traffic notice sticker on the bike frame.

2. Package Contents & Assembly

Your Hiboy EX6 Electric Bike is packaged securely to prevent damage during transit. The package includes the following components:

- Hiboy EX6 Electric Bike (partially assembled)
- Tool Kit
- User Manual
- Battery Charger

2.1 Unboxing and Initial Setup

Carefully remove the electric bike and all components from the packaging. The bike is largely pre-assembled, requiring minimal setup.

Your browser does not support the video tag.

Video: A person unboxing and assembling the Hiboy EX6 Electric Bike, demonstrating the packaging and initial setup steps.

2.2 Handlebar Attachment

Attach the handlebars to the stem. Ensure the small round rubber seal is correctly placed at the base of the stem before tightening the handlebars. Tighten all bolts securely for safe operation.

2.3 Front Wheel Installation

Install the front wheel. Pay close attention to the axle orientation; the quick-release lever should be on the non-drive side (left side of the bike when seated). Ensure the disc brake rotor is correctly aligned with the caliper.

2.4 Pedal Installation

The pedals are bi-directional. The left pedal has a left-hand thread, and the right pedal has a right-hand thread. Ensure you attach the correct pedal to the corresponding crank arm to prevent damage and ensure secure attachment.

2.5 Tire Inflation

Inflate the 20"x4.0" fat tires to the recommended pressure. The maximum inflation pressure is 20 PSI. Adjust pressure based on riding conditions and desired comfort, keeping in mind lower pressures offer more cushion and grip on soft terrain, while higher pressures provide a faster ride on paved surfaces.

3. Operating Instructions

3.1 Battery & Charging

The Hiboy EX6 is equipped with a 48V 14.5Ah removable lithium battery, UL 2849 certified for safety. The charging port is conveniently located on the side of the battery pack.

- **Charging:** Plug the charger into a standard 110V outlet, then connect it to the bike's charging port. The charger indicator light will be red while charging and turn green when fully charged.
- **First Use:** Fully charge the battery before your first ride.
- **Range:** Expect approximately 40 miles (65 km) in pure electric (throttle) mode and up to 75 miles (120 km) in pedal-assist mode. Actual mileage may vary based on terrain, rider weight, and riding style.

Go Further on a Single Charge

Ride Longer. Discover More



Image: Detailed view of the Hiboy EX6 battery, highlighting its removable design, 48V 14.5Ah capacity, UL 2849 certification, BMS intelligent protection, and IP5 waterproof rating.

3.2 Motor & Performance

The 500W power motor provides strong torque, allowing the bike to reach speeds of up to 25 mph (40 km/h) and conquer slopes up to 20% gradient.

Fast Starts

Strong Power. Smooth Ride.



500W

Brushless Motor



25 mph (40 km/h)

Top speed



7-Speed

Shimano Drivetrain

Image: Close-up of the Hiboy EX6 rear wheel and motor, illustrating the 500W brushless motor, 25 mph top speed, and 7-speed Shimano drivetrain.

3.3 Riding Modes

The Hiboy EX6 offers three distinct riding modes:

- **Pure Electric Mode (Throttle):** Engage the throttle for motor-powered propulsion without pedaling.
- **Pedal-Assist Mode:** The motor provides assistance as you pedal, making riding easier, especially on inclines.
- **Manual Mode:** Ride the bike like a traditional bicycle, using only pedal power.

3.4 LCD Display

The backlit LCD display provides real-time information including current speed, battery level, riding time, and

distance traveled. This is visible day or night.

3.5 Shimano 7-Speed Gearing

The Shimano 7-speed gear system allows for smooth and precise shifting, adapting to various terrains and riding preferences.

3.6 Braking System

The bike features front and rear hydraulic disc brakes for reliable stopping power in diverse conditions.



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**Night Riding
Lighting System**

Bright Front
+ Red Rear



**Front & Rear
Braking System**

Dual Hydraulic
Disc Brakes

Image: The Hiboy EX6 highlighting its night riding lighting system (bright front and red rear) and the front and rear dual hydraulic disc braking system.

3.7 Tires & Suspension

The 20"x4.0" all-terrain fat tires provide enhanced grip and stability across various surfaces, including snow, sand, mud, and gravel. The front suspension fork absorbs shocks, ensuring a smoother ride on rough roads and trails.



Image: Close-up of the Hiboy EX6 fat tires, showing their tread pattern and suitability for mountain roads, city roads, and snow fields.

Why Suspension Matters



Image: Diagram illustrating the function of the front suspension on the Hiboy EX6, demonstrating how it reduces bumpiness for a smoother ride.

3.8 Ergonomic Design

The bike features an ergonomic design with adjustable handlebars and seat, accommodating riders between 5'5" and 6'1" (165–185 cm). The step-through frame allows for easy mounting and dismounting.

Ergonomic Adjustable Seat

Seat Height: 34.5" – 42" (88–107 cm)



Image: The Hiboy EX6's ergonomic adjustable seat, showing its padded design and height adjustment range.

4. Maintenance

- **Regular Checks:** Periodically inspect tires for proper inflation and wear, check brake function, and ensure all bolts and fasteners are tight.
- **Battery Care:** Store the battery in a cool, dry place. If storing for an extended period, charge it to 50-70% and recharge every 1-2 months to maintain battery health.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.

5. Troubleshooting

If you encounter issues with your Hiboy EX6, consider the following:

- **No Power:** Check if the battery is properly seated and charged. Ensure the power button on the battery and display are turned on.
- **Motor Not Assisting:** Verify that pedal-assist mode is selected and the pedals are rotating. Check for any error codes on the LCD display.
- **Brake Issues:** Inspect brake pads for wear and ensure cables (if mechanical) or fluid levels (if hydraulic) are adequate. Adjust as needed or consult a professional.

For more complex issues or repairs, please contact Hiboy customer support.

6. Specifications

Feature	Specification
Model Name	EX6
Brand	Hiboy
Bike Type	Fat Tire, Grit Bike
Age Range	Adult
Number of Speeds	7 (Shimano)
Color	Crisp White
Wheel Size	20 Inches
Wheel Width	4 Inches
Frame Material	Ebike
Suspension Type	Front
Brake Style	Disc (Hydraulic)
Item Weight	66 Pounds
Power Source	Motor
Wattage	500 watts
Lithium Battery Energy Content	696 Watt Hours (48V 14.5Ah)
Recommended Height	5'5"-6'1" (165–185 cm)
Maximum Load-bearing	265 lbs / 120 kg
Included Components	Electric Bike, Tool Kit, User Manual

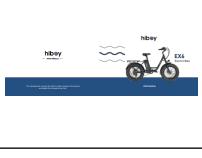
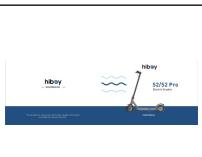
7. Warranty & Support

The Hiboy EX6 Electric Bike comes with a warranty for various parts:

- **Warranty Type:** 12-Month or 6-Month Assurance for Different Parts.

For any questions, technical assistance, or warranty claims, please contact Hiboy customer support. Refer to the contact information provided in your included user manual or visit the official Hiboy website.

Related Documents - EX6

	<p><u>Hiboy EX6 Electric Bike User Manual</u></p> <p>Comprehensive user manual for the Hiboy EX6 electric bike, covering package contents, product overview, installation instructions, operating procedures, battery management, safety guidelines, maintenance, specifications, and troubleshooting.</p>
	<p><u>Hiboy EX6 Electric Bike User Manual</u></p> <p>Comprehensive user manual for the Hiboy EX6 electric bike, covering assembly, operation, safety guidelines, maintenance, and specifications for optimal performance and rider safety.</p>
	<p><u>Hiboy P6 Electric Bike User Manual</u></p> <p>Comprehensive user manual for the Hiboy P6 Electric Bike, covering assembly, operation, maintenance, troubleshooting, and warranty information.</p>
	<p><u>Hiboy P7 Electric Bike User Manual</u></p> <p>User manual for the Hiboy P7 Electric Bike, covering package contents, product overview, installation, operation, maintenance, safety instructions, specifications, warranty, and troubleshooting.</p>
	<p><u>Hiboy E-bike P6 User Manual</u></p> <p>User manual for the Hiboy E-bike P6, covering package contents, product overview, installation, operation, maintenance, troubleshooting, specifications, and warranty information.</p>
	<p><u>Hiboy S2/S2 Pro Electric Scooter User Manual</u></p> <p>Comprehensive user manual for the Hiboy S2 and S2 Pro electric scooters, covering package contents, product overview, assembly, charging, riding basics, safety instructions, maintenance, specifications, app usage, troubleshooting, and warranty information.</p>