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Heybike Mars 2.0

Heybike Mars 2.0 Electric Bike User Manual

Model: Mars 2.0 | Brand: Heybike

1. INTRODUCTION

Welcome to the Heybike Mars 2.0 Electric Bike user manual. This guide provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to the following guidelines:

- Always wear a certified helmet when riding.
- Familiarize yourself with local laws and regulations regarding electric bicycles.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in extreme weather conditions.

Battery Safety

- Only use the charger provided by Heybike.
- Do not expose the battery to extreme temperatures or direct sunlight for prolonged periods.
- Do not puncture, open, or disassemble the battery pack.
- Charge the battery in a well-ventilated area, away from flammable materials.

3. SETUP AND ASSEMBLY

The Heybike Mars 2.0 arrives 80% pre-assembled. Follow these steps for final assembly and initial checks:

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Handlebar Installation:** Securely attach the handlebars to the stem, ensuring all bolts are tightened to the

recommended torque.

3. **Pedal Attachment:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms, ensuring the correct direction (left pedal counter-clockwise, right pedal clockwise). Tighten firmly.
4. **Seatpost Adjustment:** Insert the seatpost with the battery into the frame. Adjust the seat height for comfortable riding, ensuring your feet can touch the ground when stopped. Secure the quick-release lever.
5. **Initial Battery Charge:** Fully charge the battery before your first ride. The removable battery can be charged on or off the bike.
6. **Tire Pressure:** Check and adjust tire pressure to the recommended PSI (typically found on the tire sidewall).
7. **Brake Check:** Test both front and rear brakes to ensure they engage properly and bring the bike to a complete stop.
8. **Folding Mechanism:** Familiarize yourself with the folding mechanism for storage and transport. Ensure it latches securely when unfolded for riding.



Figure 3.1: The Heybike Mars 2.0 Electric Bike, showcasing its design and compact folded state.

Folding Design for Easy Portability

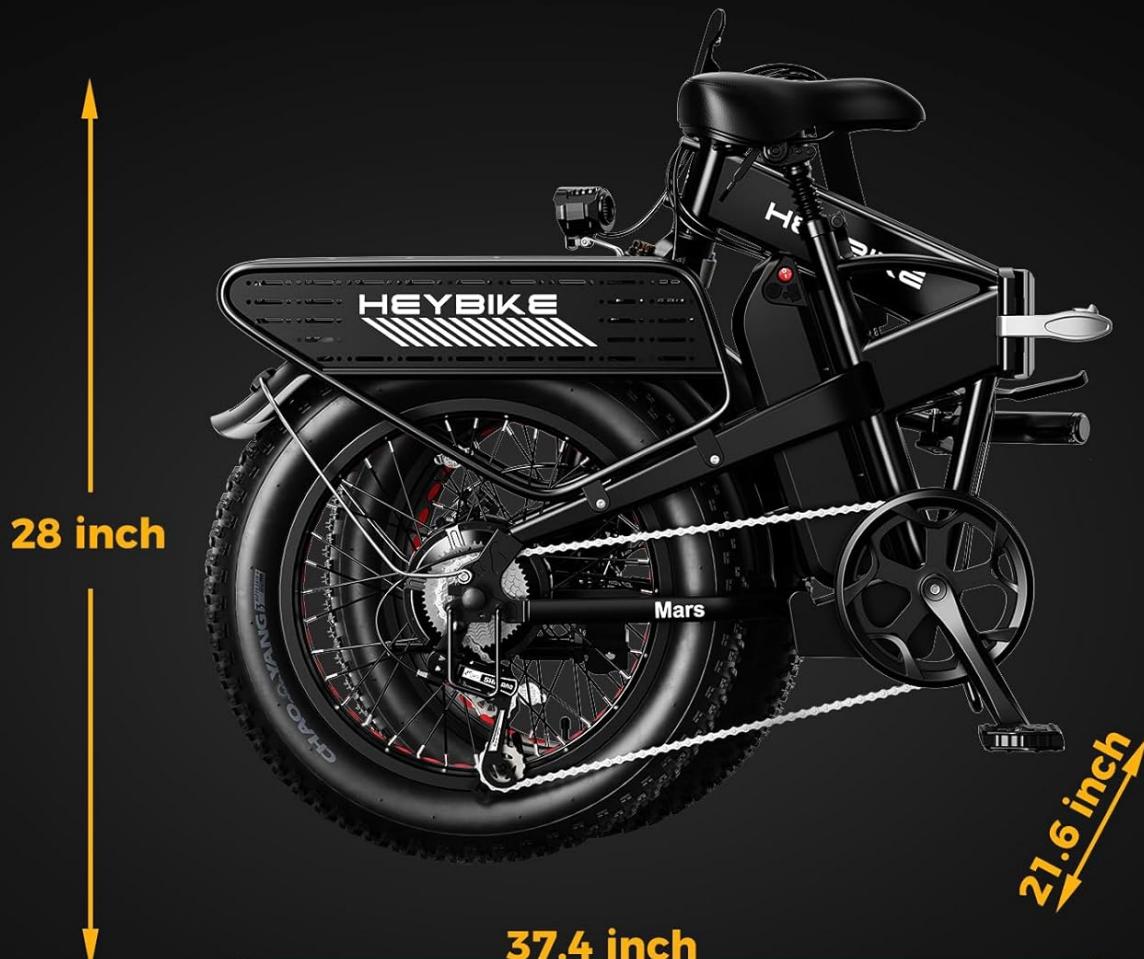


Figure 3.2: Folding design of the Heybike Mars 2.0 for convenient storage and transport.

4. OPERATING THE HEYBIKE MARS 2.0

Powering On/Off and LCD Display

To power on the bike, press and hold the power button on the LCD display. The display will illuminate, showing key riding information. To power off, press and hold the power button again.

Intelligent LCD Display



BIKE MODE

POWER OFF, NORMAL BIKE, JUST PEDALING

PEDAL-ASSIST MODE

POWER ON, WITHOUT THE THROTTLE JUST PEDALING

THROTTLE MODE

POWER ON, NO NEED TO PEDAL, JUST THROTTLE

Figure 4.1: Intelligent LCD Display showing speed, battery level, and riding modes.

Riding Modes

The Heybike Mars 2.0 offers three distinct riding modes:

- **Pure Pedal Mode:** Functions as a traditional bicycle, requiring only pedal power.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. You can adjust the level of assistance via the LCD display controls.
- **Throttle Mode:** Engage the throttle for motor power without pedaling. This mode is ideal for quick acceleration or when you need a break from pedaling.

Gears and Braking System

Your Heybike Mars 2.0 is equipped with a 7-speed Shimano transmission system, allowing you to smoothly shift gears to adapt to various terrains and riding conditions. The dual disc brakes provide reliable and strong stopping power, ensuring control and safety during your rides.

Intelligent LCD Display

All key riding information, including speed, PAS level, distance and battery level, can be easily viewed on the LCD display.



Figure 4.2: The 7-speed transmission system for versatile riding.



Figure 4.3: Dual disc brakes for enhanced stopping power and control.

Lighting System

The built-in lighting system includes a front headlight, rear brake light, and turn signals to enhance your visibility and safety, especially during low-light conditions or night rides.



Figure 4.4: Integrated lighting system for improved visibility.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Heybike Mars 2.0.

Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place when not in use, ideally between 20% and 80% charge.
- Clean battery contacts periodically with a dry cloth.



Figure 5.1: The large removable battery, designed for convenience and durability.

Tire and Brake Maintenance

- Regularly check tire pressure and inflate to the recommended PSI.
- Inspect tires for wear, cuts, or embedded objects.
- Check brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust cable tension if needed.

General Cleaning and Lubrication

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- Lubricate the chain periodically with bicycle-specific chain lubricant to ensure smooth operation and prevent rust.
- Inspect all bolts and fasteners for tightness before each ride.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Heybike Mars 2.0.

Problem	Possible Cause	Solution
Bike not powering on	Battery low or not inserted correctly; loose cable connection.	Charge battery; ensure battery is fully seated; check main power cable connections.

Problem	Possible Cause	Solution
Motor not assisting	PAS level set to 0; brake levers engaged; motor cable loose.	Increase PAS level; release brake levers; check motor cable connection.
Brakes squealing	Dirty brake pads/rotors; misaligned calipers.	Clean pads/rotors with rubbing alcohol; adjust caliper alignment.
Reduced range	Under-inflated tires; heavy load; frequent throttle use; cold weather.	Inflate tires to correct PSI; reduce load; use pedal-assist more; battery performance is reduced in cold.

If you encounter issues not listed here or require further assistance, please contact Heybike customer support.

7. SPECIFICATIONS

Key technical specifications for the Heybike Mars 2.0 Electric Bike:

- **Motor:** 750W Brushless (1000W Peak), 80Nm Torque
- **Max Speed:** 45 KM/H (28 MPH)
- **Battery:** 600Wh (48V 12.5Ah) Removable Lithium-ion
- **Range:** Up to 72 KM (45 Miles) per charge
- **Charging Time:** 4-6 hours
- **Tires:** 20" x 4.0" Fat Tires
- **Brakes:** Dual Disc Brakes
- **Gears:** 7-Speed Shimano
- **Suspension:** Front Suspension
- **Frame Material:** Aluminum Alloy, Foldable
- **Bicycle Weight:** 74 lbs (33.5 kg)
- **Max Load Capacity:** 330 lbs (150 kg)
- **Recommended Rider Height:** 5'3" - 6'1" (160 cm - 185 cm)
- **Water Resistance:** IPX4

Powerful & Efficient Motor



45KM/H
MAX SPEED



750W
BRUSHLESS MOTOR



7-SPEED
EFFICIENT GEARING



15°
GRADEABILITY

1000W PEAK

Figure 7.1: The powerful and efficient motor of the Heybike Mars 2.0.



Figure 7.2: Dimensions and weight specifications for the Heybike Mars 2.0.

20" x 4" Fat Tires

Ready for Urban Roads,
Sand, Snow & Off-Road



Park



Snow



Beach



Road



Figure 7.3: The 20" x 4" fat tires, suitable for diverse terrains.

8. WARRANTY AND SUPPORT

Heybike offers a 2-year protection plan for the Mars 2.0 Electric Bike. For detailed warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official Heybike website.

For any technical support, parts replacement, or service inquiries, please contact Heybike customer support directly. You can find contact information on the Heybike store page or their official website.

Visit the official Heybike Store: [Heybike Store on Amazon.ca](#)

	<p><u>Heybike Mars 3.0 User Manual</u></p> <p>User manual for the Heybike Mars 3.0 folding fat tire electric bike, providing setup, operation, and maintenance information.</p>
	<p><u>Heybike Explore Electric Bike User Manual - Assembly, Operation, and Maintenance Guide</u></p> <p>Comprehensive user manual for the Heybike Explore electric bike. Learn about assembly, safety, operation, maintenance, troubleshooting, specifications, and warranty information. Includes detailed instructions and diagrams.</p>
	<p><u>Heybike Ranger 3.0 Pro User Manual - Comprehensive Guide to Your Fat Tire Ebike</u></p> <p>Official user manual for the Heybike Ranger 3.0 Pro fat tire electric bicycle. This guide covers safety precautions, assembly, operation, maintenance, troubleshooting, and detailed specifications for your ebike.</p>
	<p><u>Heybike Cityrun Electric Bike User Manual - Assembly, Operation & Maintenance Guide</u></p> <p>Your complete guide to the Heybike Cityrun electric bike. Learn about assembly, safety, operation, display settings, app connectivity, maintenance, troubleshooting, specifications, and warranty.</p>
	<p><u>Heybike Mars 2.0 Electric Bike User Manual</u></p> <p>Comprehensive user manual for the Heybike Mars 2.0 Electric Bike, covering assembly, operation, maintenance, troubleshooting, and warranty information.</p>
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