

[Manuals.plus](#) /

› [HOVER HEART](#) /

› HOVER HEART Electric Bike EB-1 User Manual

HOVER HEART EB-1

HOVER HEART Electric Bike EB-1 User Manual

Model: EB-1

INTRODUCTION

Thank you for choosing the HOVER HEART Electric Bike EB-1. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety. The HOVER HEART EB-1 is a powerful 20-inch fat tire all-terrain e-bike designed for adults, featuring a 1500W peak motor and a 48V 15/25 AH battery, tested to UL 2849 standards.

1500W PEAK POWERFUL MOTOR

HOVERHEARTS



Electric Mode



Assisted Mode



Ordinary Cycling Mode



Image: The HOVER HEART Electric Bike EB-1 being ridden on an off-road trail, highlighting its 1500W peak powerful motor and three riding modes: Electric, Assisted, and Ordinary Cycling.

SAFETY INFORMATION

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

- Always wear a certified helmet when riding.
- Familiarize yourself with and obey all local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery security.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Keep the battery and electrical components dry. Avoid riding in heavy rain or submerging the e-bike.
- Ensure all quick-release levers and fasteners are securely tightened before riding.
- Maintain a safe distance from other vehicles and pedestrians.

SETUP AND ASSEMBLY

Your HOVER HEART Electric Bike EB-1 arrives 85% assembled. The following steps outline the remaining assembly and initial setup:

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely. Adjust the angle for comfortable riding.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Ensure they are fully threaded and tightened.
4. **Front Wheel Installation (if detached):** Secure the front wheel into the fork dropouts, ensuring the disc brake rotor is correctly aligned with the caliper. Tighten the quick-release or axle nuts.
5. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the seat height for a comfortable and safe riding position. Secure with the quick-release lever.
6. **Tire Pressure Check:** Inflate tires to the recommended pressure indicated on the tire sidewall.
7. **Initial Battery Charge:** Fully charge the battery before your first ride. Refer to the 'Battery Charging' section for details.

OPERATING INSTRUCTIONS

Riding Modes

The HOVER HEART EB-1 offers three distinct riding modes:

- **Electric Mode:** Utilizes the thumb throttle for full electric power without pedaling.
- **Assisted Mode (Pedal Assist System - PAS):** The motor provides assistance as you pedal. The level of assistance can be adjusted via the LCD display.
- **Ordinary Cycling Mode:** Ride like a traditional bicycle with no motor assistance.

Controls and Display

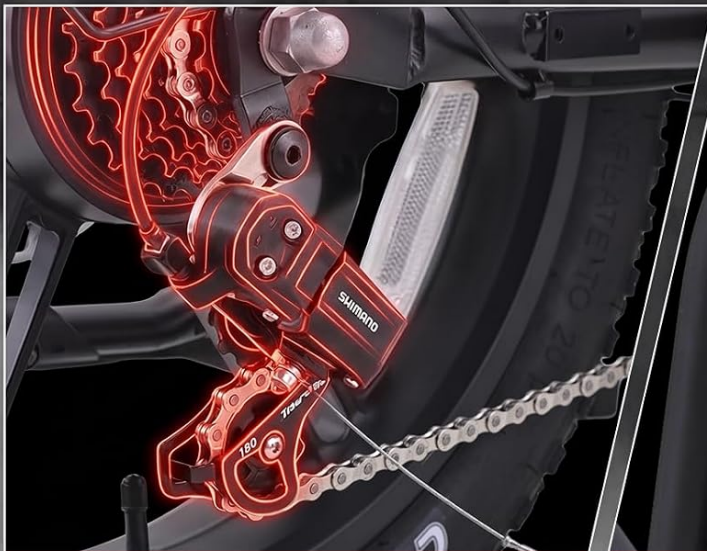
The e-bike is equipped with a 7-speed Shimano gear system and a thumb throttle for electric power. The 5PAS Color LCD Display provides crucial riding information:

- **PAS Level:** Indicates the current pedal assist level (1-5).
- **Battery Power:** Shows the remaining battery charge.
- **High Temperature Warning:** Alerts you if the motor or controller temperature is too high.
- **Headlight Indicator:** Shows if the headlight is on.
- **Average Speed:** Displays your average speed.
- **Odometer:** Records the total distance traveled.
- **Trip Time:** Shows the duration of your current ride.
- **Output Power:** Indicates the motor's current power output.

MAX SPEED **28MPH**



Image: A rider on the HOVER HEART EB-1, demonstrating its maximum speed capability. An inset highlights the 7-speed Shimano gears and thumb throttle for precise control.



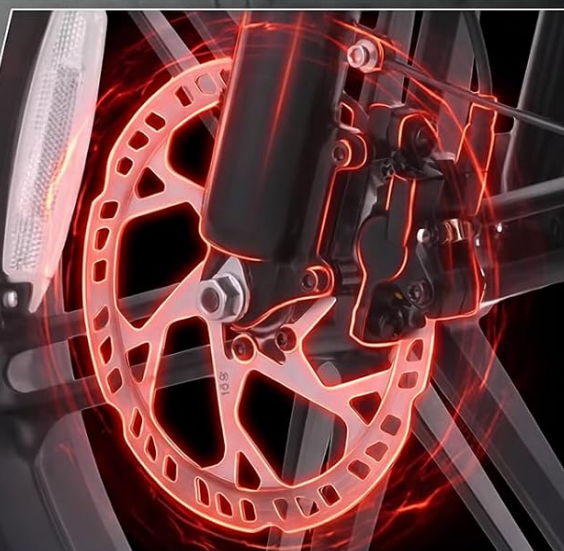
Shimano 7 Gears



Dual Front Suspensions



Comfortable seats



Front/Rear Hydraulic Disk Brake

Image: Detailed view of the 5PAS Color LCD Display, illustrating its functions including PAS level, battery power, high temperature warning, headlight indicator, average speed, odometer, trip time, and output power.

Battery Charging

The 48V 15/25 AH battery is removable for convenient charging. It takes approximately 6-8 hours for a full charge.

- **Option 1: Direct Charging:** Remove the battery from the e-bike and connect it directly to the charger.
- **Option 2: On-Bike Charging:** Connect the charger directly to the charging port on the e-bike without removing the battery.

48V 15AH

Removable Battery



6-8 H
Fast Charging



65 MILES
Max Range



BMS
Protection



UL 2849
Certified

Dual Charging Options Easy & Flexible



1 Removable battery for direct charging



2 Charge the Ebike without removing it

Image: The 48V 15AH removable battery of the HOVER HEART EB-1, detailing its 6-8 hour fast charging, 65 miles max range, BMS protection, and UL 2849 certification. It also illustrates the dual charging options: direct charging of the removed battery and charging the e-bike without removing the battery.

Key Features

- **All-Terrain Fat Tires:** The 20" x 4.0" fat tires are designed for various terrains including sand beaches, snow trails, dirt tracks, and city roads.
- **Braking System:** Equipped with reliable front and rear hydraulic disc brakes for effective stopping power.
- **Suspension:** Features dual front suspensions for a smoother ride over varied terrain.

20"*4.0"

ALL-TERRAIN FAT TIRE



Sand Beach

Master Coastal Dunes



Snow Trail

Winter Exploration



Dirt Track

Rugged Track Dominance



City roads

Urban Commuting

Image: The HOVER HEART EB-1 showcasing its 20" x 4.0" all-terrain fat tires, suitable for diverse environments such as sand beaches, snow trails, dirt tracks, and city roads.

5PAS COLOR LCD DISPLAY



Image: Close-up views of key components: Shimano 7 Gears for varied terrain, Dual Front Suspensions for comfort, a Comfortable Seat, and Front/Rear Hydraulic Disc Brakes for reliable stopping power.

Product Video

Your browser does not support the video tag.

Video: An official product video showcasing the HOVER HEART Electric Bike EB-1 in various scenarios, highlighting its features and performance.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your HOVER HEART EB-1:

- **Tire Pressure:** Check tire pressure weekly and maintain it within the recommended range.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated, especially after riding in wet or dusty conditions.

- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its health. Store the battery in a cool, dry place. Avoid fully discharging the battery.
- **Cleaning:** Clean the e-bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Fasteners:** Periodically check all bolts, nuts, and quick-release levers for tightness.

TROUBLESHOOTING

If you encounter issues with your HOVER HEART EB-1, refer to the following common troubleshooting tips:

- **E-bike Not Powering On:**
 - Check if the battery is properly seated and locked.
 - Ensure the battery is charged.
 - Verify all electrical connections are secure.
- **Motor Not Assisting:**
 - Check the PAS level on the LCD display; ensure it's not set to 0.
 - Verify the battery has sufficient charge.
 - Inspect motor connections for any disconnections.
- **Brakes Not Effective:**
 - Check brake pad wear.
 - Ensure brake cables/hydraulic lines are intact and properly adjusted.
 - Inspect disc rotors for damage or contamination.
- **Unusual Noises:**
 - Inspect the chain for proper lubrication and tension.
 - Check for loose components or rubbing parts.

For persistent issues, please contact HOVER HEART customer support.

SPECIFICATIONS

Detailed specifications for the HOVER HEART Electric Bike EB-1:

Feature	Specification
Bike Type	Electric Bike
Model Number	EB-1
Brand	HOVER HEART
Motor Wattage	1500 watts (Peak)
Battery	48V 15/25 AH (UL 2849 Tested)
Max Speed	28 MPH
Max Range	60-110 Miles (depending on battery capacity and riding conditions)
Wheel Size	20 inches

Feature	Specification
Tire Type	20" x 4.0" Fat Tire, All-Terrain
Frame Material	Alloy Steel
Suspension Type	Dual Front Suspension
Brake Style	Front/Rear Hydraulic Disc Brake
Number of Speeds	7 (Shimano Gears)
Gear Shifter Type	Thumb
Color	BLACK
Recommended Age Range	13+
Recommended Rider Height	4'11" - 6'3"
Bicycle Weight	66.4 LBS
Maximum Load Capacity	500 LBS
Included Components	Electric Bike (85% assembled)

SPECIFICATIONS & DIMENSIONS

HOVERHEARTS



4'11"-6'3"

Recommended Height



66.4 LBS

Bicycle Weight



500 LBS

Load Capacity



Image: Visual representation of the HOVER HEART EB-1's specifications and dimensions, including recommended height (4'11"-6'3"), bicycle weight (66.4 LBS), load capacity (500 LBS), and physical dimensions (41.3" height, 62.2" length, 33.1" seat height).

WARRANTY INFORMATION

The HOVER HEART Electric Bike EB-1 comes with a **90-day limited warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage due to misuse, accidents, normal wear and tear, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims regarding your HOVER HEART Electric Bike EB-1, please contact HOVER HEART customer support. Refer to the product packaging or the official HOVER HEART website for the most current contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question