

HOVER HEART Ebike

HOVER HEART Electric Dirt Bike Model Ebike User Manual

Model: **Ebike** | Brand: **HOVER HEART**

1. IMPORTANT SAFETY INFORMATION

Before operating your HOVER HEART Electric Dirt Bike, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or property damage.

- Always wear a helmet and appropriate safety gear, including gloves, eye protection, and sturdy footwear.
- Ensure the **kickstand is fully retracted** before starting or riding the bike. A safety sensor prevents operation if the kickstand is down.
- This electric dirt bike is designed for users aged **13 years and older**.
- Do not exceed the maximum weight recommendation of **220 pounds (100 kg)**.
- Maintain a minimum user height of **37 inches (94 cm)** for safe operation.
- Operate the bike only in suitable off-road environments. Avoid public roads unless legally permitted and equipped for such use.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, battery level, and all fasteners.
- Familiarize yourself with local laws and regulations regarding electric dirt bike usage.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- HOVER HEART Electric Dirt Bike (Model Ebike)
- Charger
- Tool Kit
- User Manual (this document)
- Other assembly parts (as required for final assembly)

3. ASSEMBLY (SETUP)

Your HOVER HEART Electric Dirt Bike arrives approximately **85% assembled**. Final assembly typically involves attaching the handlebars, front wheel, and fenders, and adjusting the seat. Please follow these general steps:

1. Carefully remove all packaging materials and inspect the bike for any shipping damage.
2. Refer to the included 'Other assembly parts' and 'Tool Kit' for specific components and tools needed.
3. Attach the handlebars to the steering column, ensuring they are centered and securely tightened.
4. Install the front wheel, making sure the brake rotor aligns correctly with the caliper.
5. Attach any remaining fenders or accessories.
6. Adjust the seat height to a comfortable and safe riding position.
7. Before first use, fully charge the battery as per the charging instructions in Section 4.1.



Figure 3.1: The HOVER HEART Electric Dirt Bike, showcasing its design and components.

4. OPERATING INSTRUCTIONS

4.1 Battery Charging

The electric dirt bike is equipped with a **48V/30Ah LFP battery**. For optimal performance and longevity, ensure the battery is fully charged before each ride.

- Connect the charger to a standard electrical outlet.
- Connect the charger output to the bike's charging port.
- The charger indicator light will show charging status (e.g., red for charging, green for fully charged).
- Do not overcharge the battery. Disconnect the charger once charging is complete.

LFP Battery: 6 Advantages

Power, Safety, and Lifespan -
Why We Use Tesla-Grade LFP Batteries



LFP (Lithium Iron Phosphate)	VS	Traditional Lithium - ion (e.g., NMC, NCA)
  Very stable, with a lower risk of thermal runaway and less prone to overheating.		  Higher energy density, but less stable and more prone to overheating and thermal runaway.
 Significantly longer, with up to 2,000 - 3,000+ charge cycles before significant degradation.		 Shorter, typically around 500 - 1,000 charge cycles.
 Lower energy density, meaning they are heavier and bulkier for the same amount of energy.		 Higher energy density, making them lighter and more compact.
 Can operate in a wider temperature range, from -20°C to 60°C (-4°F to 140°F).		 Narrower operating range, typically between 0°C and 45°C (32°F to 113°F).
 Often has a higher initial cost, but lower total cost of ownership due to its longer life.		 Typically cheaper initially than LFP.
 More environmentally friendly, as it does not use cobalt or nickel.		 Can be less environmentally friendly due to the use of materials like cobalt and nickel.

Figure 4.1: LFP battery technology offers enhanced safety, longer lifespan, and wider temperature operation compared to traditional lithium-ion batteries.

4.2 Powering On/Off

To power on the bike, insert the key into the ignition and turn it to the 'ON' position. The LCD display will illuminate. To

power off, turn the key to the 'OFF' position and remove it.

4.3 Smart LCD Display

The integrated LCD display provides real-time information about your ride:

- **Speedometer:** Displays current speed in MPH.
- **Battery Level Indicator:** Shows remaining battery charge.
- **Speed Mode Indicator:** Displays the currently selected gear (1, 2, or 3).
- **Odometer:** Tracks total distance traveled.
- **Parking Mode (P):** Indicates the bike is in a stationary safety mode.
- **Sport Mode (S):** Indicates the highest speed level is active.



Figure 4.2: The Smart LCD Dashboard provides essential riding data at a glance.

4.4 Speed Modes

The bike features 3 adjustable speed modes to adapt to different terrains and riding preferences:

- **1st Gear:** Approximately 18 mph (29 km/h)
- **2nd Gear:** Approximately 26 mph (42 km/h)
- **3rd Gear:** Approximately 42 mph (67 km/h)

Switch between modes using the control buttons on the handlebar. The selected mode will be displayed on the LCD screen.

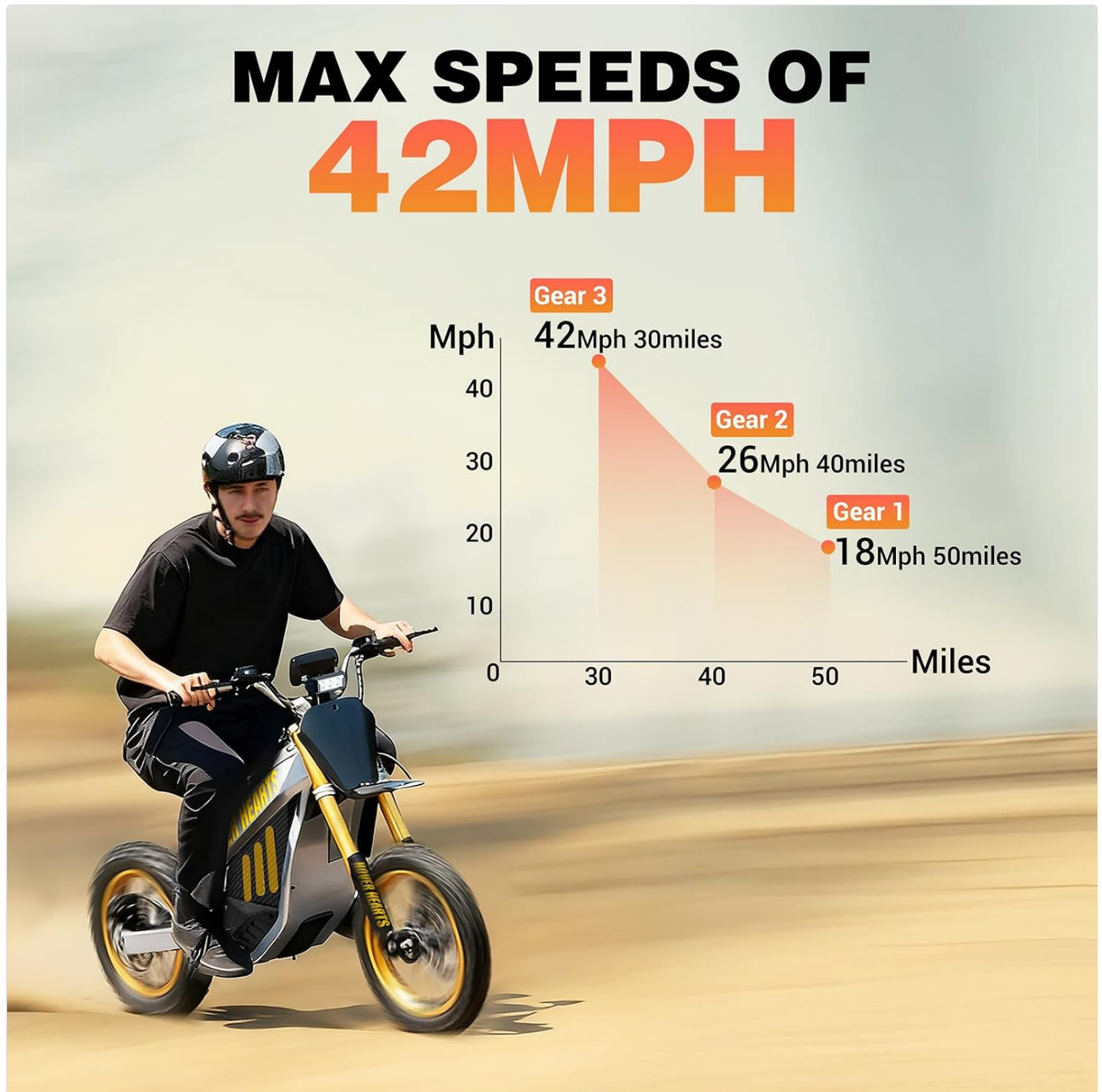


Figure 4.3: Speed and range performance across the three available gear modes.

4.5 Throttle and Braking

The bike utilizes a **throttle assist** system for power delivery. The **dual disc brakes** (front and rear) provide reliable stopping power. Always apply brakes smoothly and evenly.

4.6 Tire Pressure

The **14-inch front and 12-inch rear pneumatic tires** require proper inflation for optimal performance and safety. The recommended tire pressure is **32 PSI**.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric dirt bike.

- **Battery Care:** Charge the LFP battery regularly, even during periods of non-use, to maintain its health. Avoid fully discharging the battery. Store the bike and battery in a cool, dry place. The built-in BMS (Battery Management System) protects against overcharge, over-discharge, and overheating.
- **Tires:** Periodically check tire pressure and inflate to the recommended 32 PSI. Inspect tires for wear, punctures, or damage.
- **Brakes:** Regularly inspect brake pads for wear and brake rotors for damage. Ensure brake levers operate smoothly and provide adequate stopping power. Adjust or replace components as needed.
- **Suspension:** Check the front and rear hydraulic suspension for any leaks or unusual play. Keep suspension components clean.
- **General Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Fasteners:** Periodically check all bolts, nuts, and fasteners to ensure they are tight and secure.

6. TROUBLESHOOTING

This section addresses common issues you might encounter:

- **Bike does not power on:** Ensure the battery is charged. Check that the key is fully turned to the 'ON' position. Verify all electrical connections are secure.
- **Motor does not engage:** Confirm the kickstand is fully retracted. The bike has a safety sensor that prevents motor engagement if the kickstand is down. Check the battery level on the LCD display.
- **Reduced speed or range:** Check tire pressure (ensure 32 PSI). Verify the bike is in the desired speed mode (e.g., 3rd gear for maximum speed). Ensure the battery is fully charged. Riding conditions (terrain, rider weight, temperature) can affect performance.
- **Brakes feel weak or spongy:** Inspect brake pads for wear and replace if necessary. Check brake fluid levels (if applicable to hydraulic system) or cable tension. Seek professional service if issues persist.

7. SPECIFICATIONS

Key technical specifications for the HOVER HEART Electric Dirt Bike Model Ebike:

Feature	Specification
Motor	3000W Peak Power
Max Speed	42 mph (67 km/h)
Battery	UL-certified 48V/30Ah LFP (Lithium Iron Phosphate) with BMS
Max Range	Up to 50 miles (depending on conditions)
Tires	Front: 14-inch pneumatic, Rear: 12-inch pneumatic (32 PSI recommended)
Brakes	Dual Disc Brakes
Suspension	Front and Rear Hydraulic Suspension

Speed Modes	3 (18mph, 26mph, 42mph)
Display	Smart LCD Dashboard
Frame Material	Alloy Steel / Aluminum
Item Weight	123 Pounds (55.8 kg)
Maximum Load	220 Pounds (100 kg)
Minimum User Height	37 Inches (94 cm)
Dimensions (LxWxH)	59.8 x 26.7 x 37.4 inches
Included Components	Charger, Electric Bike, Other assembly parts, Tool Kit, User Manual



Figure 7.1: Physical dimensions and maximum load capacity of the electric dirt bike.

8. PRODUCT OVERVIEW VIDEO

Watch this video for a visual overview of the HOVER HEART Electric Dirt Bike in action:

Your browser does not support the video tag.

Video 8.1: An official video showcasing the HOVER HEART Electric Dirt Bike's features and performance in various environments.

9. WARRANTY AND SUPPORT

The HOVER HEART Electric Dirt Bike Model Ebike comes with a**24-month limited warranty**.

For warranty claims, technical assistance, or any product-related inquiries, please contact the seller,**SUPER HOT**, or the manufacturer, **Yongkang Ruihe Metal Product Co., Ltd**, through your purchase platform.

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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.

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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