AONIU HD-B6

HIDOES B6 Electric Dirt Bike

User Manual

Model: HD-B6

1. Introduction and Safety Guidelines

Welcome to the HIDOES B6 Electric Dirt Bike user manual. This guide provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

Important Safety Information:

- Always wear a helmet and appropriate safety gear (gloves, knee pads, elbow pads) when riding.
- Familiarize yourself with local laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in extreme weather conditions or on excessively slippery surfaces.
- Ensure the battery is securely locked in place before riding.

2. Product Overview

The HIDOES B6 is a powerful electric dirt bike designed for various terrains, offering a blend of performance and durability.



Figure 2.1: HIDOES B6 Electric Dirt Bike, showcasing its robust frame and fat tires.

Key Features:

- **Powerful Motor:** Equipped with a 700-1200W peak brushless motor for speeds up to 45 MPH and 30° climbability.
- **Long Range Battery:** Removable 48V 15.6Ah Li-ion battery providing 45-60 miles (pedal assist) or 31 miles (pure electric) per charge.
- **All-Terrain Fat Tires:** 20"x4" puncture-resistant fat tires for stability and comfort across sand, snow, trails, and city streets.
- **Advanced Suspension:** Multiple shock absorption system with front and rear suspension for a smoother ride.
- **Bright Lighting:** Super-bright 1000-lumen LED front light and tail light for enhanced visibility and safety.
- **7-Speed Gears:** Shimano 7-speed gear system for versatile riding on various inclines and terrains.
- **HD LCD Display:** Intelligent display showing real-time speed, battery status, and trip distance.
- **Dual Disc Brakes:** Front and rear mechanical disc brakes for immediate and responsive stopping power.

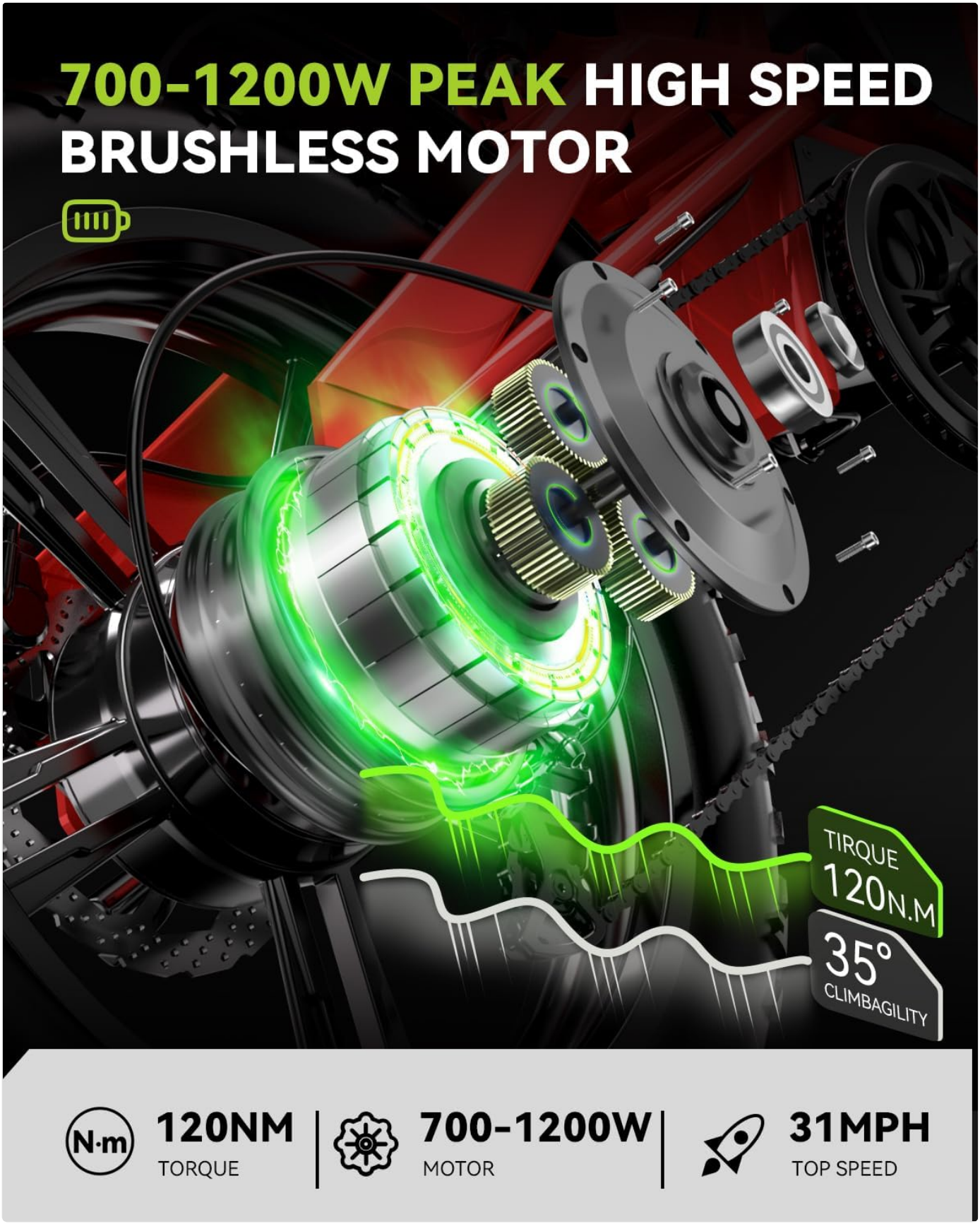


Figure 2.2: Illustration of the 700-1200W peak brushless motor, highlighting its power and torque capabilities.



Figure 2.3: Close-up view of the removable 48V 15.6Ah Li-ion battery, featuring 18650 automotive power cells.



Figure 2.4: Detail of the 20-inch fat tire, designed for optimal grip and performance on diverse terrains.

3. Setup and Initial Preparation

Your HIDOES B6 Electric Dirt Bike comes partially assembled. Follow these steps for final assembly and initial preparation.

Included Components:

- HIDOES B6 Electric Dirt Bike (partially assembled)
- User Manual (this document)
- Tool Kit
- Charger

Assembly Steps:

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring all bolts are tightened securely using the provided tool kit. Adjust the angle for comfortable riding.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms. Note that the left pedal is reverse-threaded. Tighten firmly.
4. **Front Wheel (if detached):** If the front wheel is detached, align it with the fork and secure it using the quick-release skewer or axle nuts. Ensure the disc brake rotor is correctly seated in the caliper.
5. **Seat Adjustment:** Adjust the seat height to a comfortable position, ensuring your feet can touch the ground when stopped. Secure the seat post clamp.

Initial Battery Charging:

Before your first ride, fully charge the battery. The battery can be charged while installed on the bike or removed.

- Connect the charger to a standard wall outlet.
- Connect the charger's output plug to the charging port on the battery.
- The charger indicator light will typically show red during charging and turn green when fully charged.
- A full charge takes approximately 6 hours. Do not overcharge the battery.

4. Operating Instructions

Learn how to operate your HIDOES B6 Electric Dirt Bike and utilize its various features.

Powering On/Off:

- To power on, press and hold the power button on the LCD display for a few seconds.
- To power off, press and hold the power button again until the display turns off.

Understanding the LCD Display:

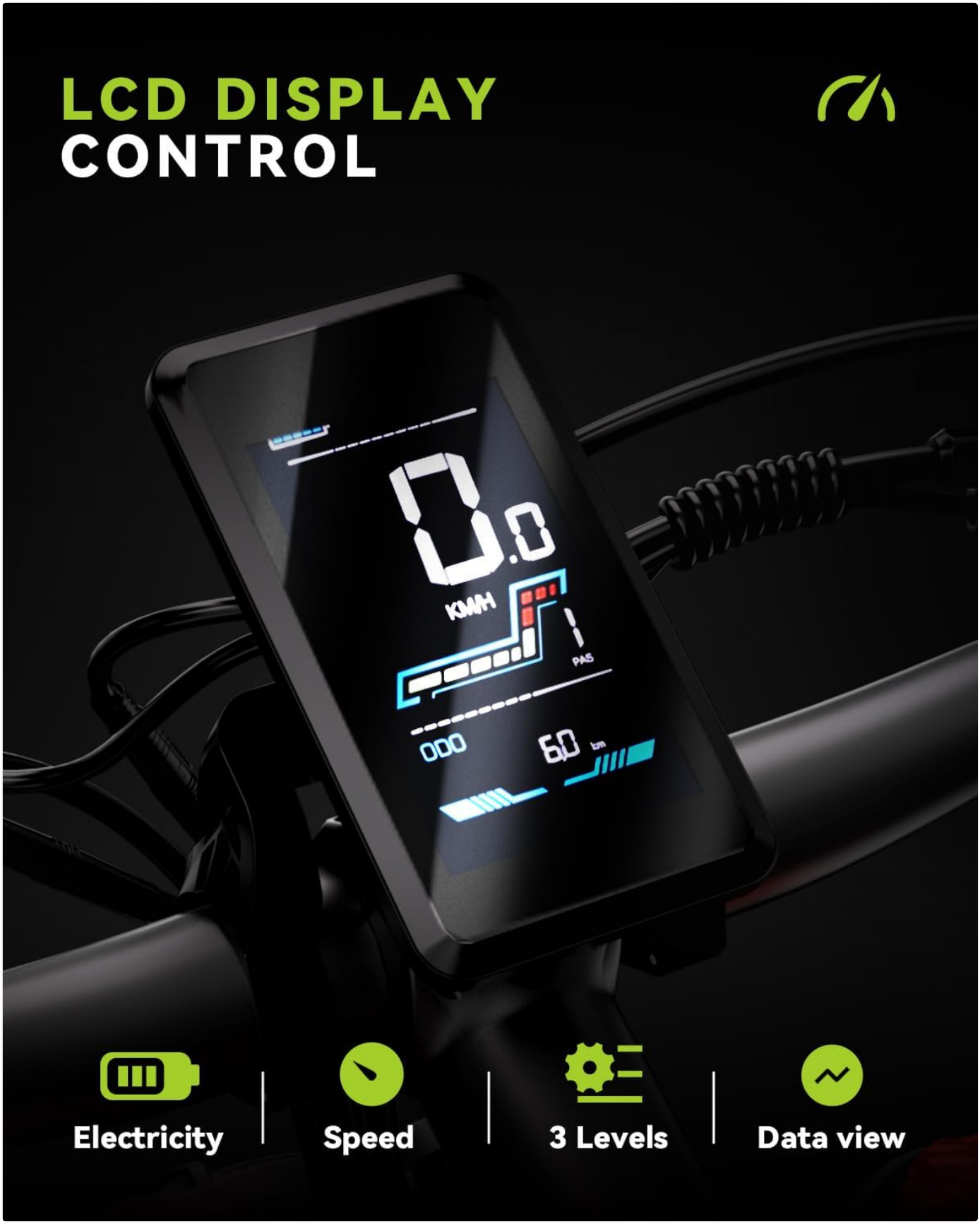


Figure 4.1: The intelligent LCD display showing key riding metrics.

The LCD display provides real-time information:

- **Speed:** Current riding speed.
- **Battery Status:** Remaining battery charge level.
- **Trip Distance:** Distance covered during the current ride.
- **Pedal Assist Level (PAS):** Indicates the level of motor assistance (0-3 levels).

Riding Modes:

The HIDOES B6 offers three riding modes:

- **Pedal Assist Mode:** The motor provides assistance as you pedal. Adjust the assistance level using the '+' and '-' buttons on the handlebar.
- **Throttle Only Mode:** Engage the twist-grip throttle to propel the bike without pedaling. This mode consumes battery faster.
- **Manual Mode:** Ride the bike like a traditional bicycle without any motor assistance.

Gear Shifting:



Figure 4.2: Close-up of the 7-speed gear shifter for precise control.

Use the Shimano 7-speed gear shifter on the right handlebar to change gears. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

Braking System:



Figure 4.3: Illustration of the dual disc braking system, ensuring effective stopping power.

The HIDOES B6 is equipped with front and rear mechanical disc brakes. Squeeze both brake levers simultaneously for effective and controlled stopping. Apply brakes smoothly to avoid skidding.



Figure 4.4: Overview of the handlebar controls, including gear adjustment, LCD display, 7-speed gear shifter, twist-grip throttle, and adjustable shock.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your HIDOES B6 Electric Dirt Bike.

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.
- Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- Use only the original charger provided with the bike.

Tire Maintenance:

- Check tire pressure before each ride. Maintain pressure within the recommended range (typically found on the tire sidewall).
- Inspect tires for wear, cuts, or punctures regularly.

Brake Inspection:

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

Cleaning:

- Clean the bike with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components.
- Lubricate the chain regularly to ensure smooth operation and prevent rust.

6. Troubleshooting

This section addresses common issues you might encounter with your HIDOES B6 Electric Dirt Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged; Battery not properly seated; Loose electrical connection	Charge battery; Ensure battery is fully inserted and locked; Check all visible cable connections.
Motor not assisting/engaging	Pedal assist level is 0; Brake levers engaged; Loose motor cable	Increase pedal assist level on display; Release brake levers fully; Check motor cable connection.
Brakes feel weak or spongy	Worn brake pads; Loose brake cable; Air in hydraulic system (if applicable)	Inspect and replace brake pads; Adjust brake cable tension; Consult a professional for hydraulic brake bleeding.
Unusual noises during riding	Loose components; Dry chain; Brake rub	Check all bolts and fasteners; Lubricate chain; Adjust brake caliper or rotor alignment.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

7. Specifications

Detailed technical specifications for the HIDOES B6 Electric Dirt Bike.



Figure 7.1: Dimensional overview of the HIDOES B6 Electric Dirt Bike.

Specification	Detail
Model Name	HD-B6
Bike Type	Mountain Bike, Road Bike
Motor	700-1200W Peak Brushless Motor
Wattage	1200 watts
Battery	Removable 48V 15.6Ah Li-ion (18650 Automotive Power Cell)
Max Range	45-60 Miles (Pedal Assist), 31 Miles (Pure Electric)
Top Speed	45 MPH
Wheel Size	20 Inches (4 Inches Wheel Width)
Frame Material	Aluminum
Suspension Type	Dual (Front and Rear)
Brake Style	Disc (Dual Disc Brake)
Number of Speeds	7
Item Weight	93.6 Pounds
Maximum Weight Recommendation	330 Pounds
Dimensions (LxWxH)	68.5 x 28 x 42.5 inches
Color	Red
UPC	767461254884

8. Warranty and Support

Information regarding your product's warranty and how to obtain support.

Warranty Information:

The HIDOES B6 Electric Dirt Bike comes with a**1-year manufacturer's warranty**. Additionally, specific parts may have a **12-month or 180-day after-service period**. This warranty covers manufacturing defects and issues arising from normal use.

Please retain your proof of purchase for warranty claims.

Customer Support:

For any questions, concerns, or technical assistance, please contact our customer support team. We aim to respond to all inquiries within 24 hours.

Please refer to the contact information provided with your purchase or visit the official AONIU brand store for support details.

Online Resources: For additional information, FAQs, and product updates, please visit theAONIU Store on Amazon.

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