



[Manuals.plus](#) /

› [KOOZ](#) /

› KOOZ HP117E 72V Pro 5000W Electric Dirt Bike User Manual

## KOOZ HP117E

# KOOZ HP117E 72V Pro 5000W Electric Dirt Bike User Manual

Model: HP117E

## 1. INTRODUCTION

---

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your KOOZ HP117E 72V Pro 5000W Electric Dirt Bike. Please read this manual thoroughly before operating the vehicle to ensure proper use and to prevent injury or damage.

The KOOZ HP117E is an electric dirt bike designed for off-road use, featuring a powerful 5000W QS brushless motor and a 72V 30Ah Li-Ion battery. It offers multiple speed modes and advanced suspension for varied terrain.



Figure 1.1: KOOZ HP117E 72V Pro 5000W Electric Dirt Bike.

## 2. SAFETY INFORMATION

---

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

- Always wear a helmet, eye protection, and appropriate riding gear (gloves, long sleeves, long pants, sturdy footwear).
- This electric dirt bike is recommended for riders aged 13 and above, with a maximum weight of 210 lbs.
- Do not operate the bike under the influence of alcohol or drugs.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Be aware of your surroundings and ride within your skill level.
- Avoid riding on public roads unless permitted by local regulations.
- Maintain a safe distance from other riders and obstacles.
- The bike has an IP65 water rating, meaning it is protected against dust and low-pressure water jets, but it is not fully submersible. Avoid deep water or heavy rain.

## 3. ASSEMBLY

---

Some assembly is required for the KOOZ HP117E Electric Dirt Bike. This typically includes attaching the handlebars, front wheel, and front fender. Refer to the detailed assembly instructions provided in the separate assembly guide for step-by-step procedures.

- **Handlebar Installation:** Secure the handlebars to the triple clamps using the provided bolts. Ensure they are centered and tightened to the specified torque.
- **Front Wheel Attachment:** Install the front wheel, ensuring the brake rotor aligns correctly with the caliper. Tighten the axle nut securely.
- **Front Fender:** Attach the front fender to the fork assembly.
- **Initial Charge:** Before first use, fully charge the battery for 4-6 hours.

## 4. COMPONENTS OVERVIEW

---

Familiarize yourself with the main components of your electric dirt bike:

- **Motor:** 72 Volt 5000 Watt QS Brushless Motor. Provides powerful propulsion.
- **Battery:** 72 Volt 30Ah Li-Ion Battery. Offers extended range and performance.
- **Controller:** Far Driver 72v100ah. Manages power delivery and features Bluetooth parameter adjustment (optional adapter required).
- **Brakes:** Front and rear hydraulic disc brakes for reliable stopping power.
- **Suspension:** 2 Hydraulic Front Shocks and 1 Rear Hydraulic Shock with Damping for a smooth ride over rough terrain.
- **Tires:** Knobby pneumatic tires (17" front, 14" rear) designed for off-road grip.
- **Display Screen:** Provides real-time information such as battery power, speed, gear, and mileage.

# 5000W PEAK QS BRUSHLESS MOTOR



**50 MPH**  
Max Speed

**35°**  
Up Hill

**1000 TIMES**  
Stable & Efficient Tests

Figure 4.1: The powerful 5000W QS brushless motor.

# Intelligent Display Screen

Stay informed about your ride at any time



Figure 4.2: Intelligent Display Screen for ride information.

# 70V 30AH

## High-Capacity Lithium Battery



**40 Miles**

Max Range



**4-6 Hours**

Charging Time



**BMS**

Safety System



**IP65**

Waterproof

Figure 4.3: 72V 30Ah High-Capacity Lithium Battery.

# DUAL HYDRAULIC DISC BRAKES



Figure 4.4: Dual Hydraulic Disc Brakes for effective stopping.

# Reduce Bumps and Ride More Comfortably



Figure 4.5: Front and Rear Hydraulic Suspension System.

## 5. SETUP

---

### 5.1 Charging the Battery

The KOOZ HP117E comes with an 84V/5A charger. Ensure the bike is turned off before charging.

1. Locate the charging port on the bike.
2. Connect the charger to the charging port.
3. Plug the charger into a standard electrical outlet.
4. The charging indicator on the charger will show the charging status. A full charge typically takes 4-6 hours.
5. Once fully charged, disconnect the charger from the outlet first, then from the bike.

### 5.2 Pre-Ride Checks

Before each ride, perform the following checks:

- **Tires:** Check tire pressure. Ensure tires are free from damage.
- **Brakes:** Test both front and rear hydraulic brakes for proper function and responsiveness.
- **Battery:** Verify the battery level on the display.
- **Fasteners:** Ensure all nuts, bolts, and quick-release mechanisms are securely tightened.
- **Throttle:** Check for smooth operation of the twist-grip throttle.

## 6. OPERATING INSTRUCTIONS

---

### 6.1 Starting the Bike

1. Insert the key into the ignition and turn it to the 'ON' position.
2. The display screen will illuminate, showing battery level and other information.
3. Ensure you are in a safe, open area before engaging the throttle.

### 6.2 Speed Modes

The KOOZ HP117E features 3 speed modes, adjustable via a handlebar switch:

- **Mode 1:** Approximately 25 MPH
- **Mode 2:** Approximately 37 MPH
- **Mode 3:** Up to 50 MPH (rider weight and terrain dependent)

Select the appropriate speed mode based on your riding environment and experience level.

### 6.3 Throttle and Braking

- **Throttle:** Gently twist the right-hand grip to accelerate. Release the grip to decelerate.
- **Braking:** Apply both front and rear brakes smoothly and evenly for controlled stopping. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.

### 6.4 Controller Parameter Adjustment (Optional)

With an optional Bluetooth adapter (sold separately), you can adjust controller parameters such as top speed, starting power, and throttle response. Refer to the adapter's instructions for pairing and adjustment procedures.

Video 6.1: Overview of the KOOZ HP117E 72V 5000W Electric Dirt Bike in action, demonstrating its features and handling.

Video 6.2: A longer demonstration of the 72V Electric Dirt Bike, showcasing its performance in various riding scenarios.

Video 6.3: A concise video highlighting the KOOZ HP117E 72V 5000W Electric Dirt Bike for adults, showing its design and capabilities.

## 7. MAINTENANCE

---

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

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% and recharge every 2-3 months.
- **Brake Inspection:** Periodically check brake pads for wear and brake fluid levels. Adjust or replace as needed.
- **Tire Inspection:** Check tires for punctures, cuts, or excessive wear. Maintain recommended tire pressure.
- **Chain Maintenance:** Keep the chain clean and lubricated. Check for proper tension.

- **Fasteners:** Regularly inspect and tighten all bolts and nuts.

## 8. TROUBLESHOOTING

---

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, key not in ON position, loose battery connection	Charge battery, turn key to ON, check battery connections
Reduced range/power	Low battery charge, old battery, riding in high-power mode constantly	Fully charge battery, consider battery replacement if old, use lower speed modes
Brakes feel spongy	Air in brake lines, low brake fluid, worn brake pads	Bleed brakes, refill brake fluid, replace brake pads (professional service recommended)
Unusual noises	Loose components, chain issues, motor issue	Inspect all parts for looseness, check chain tension/lubrication, contact support if motor noise persists

For issues not listed here or if solutions do not resolve the problem, please contact KOOZ customer support.

## 9. SPECIFICATIONS

---

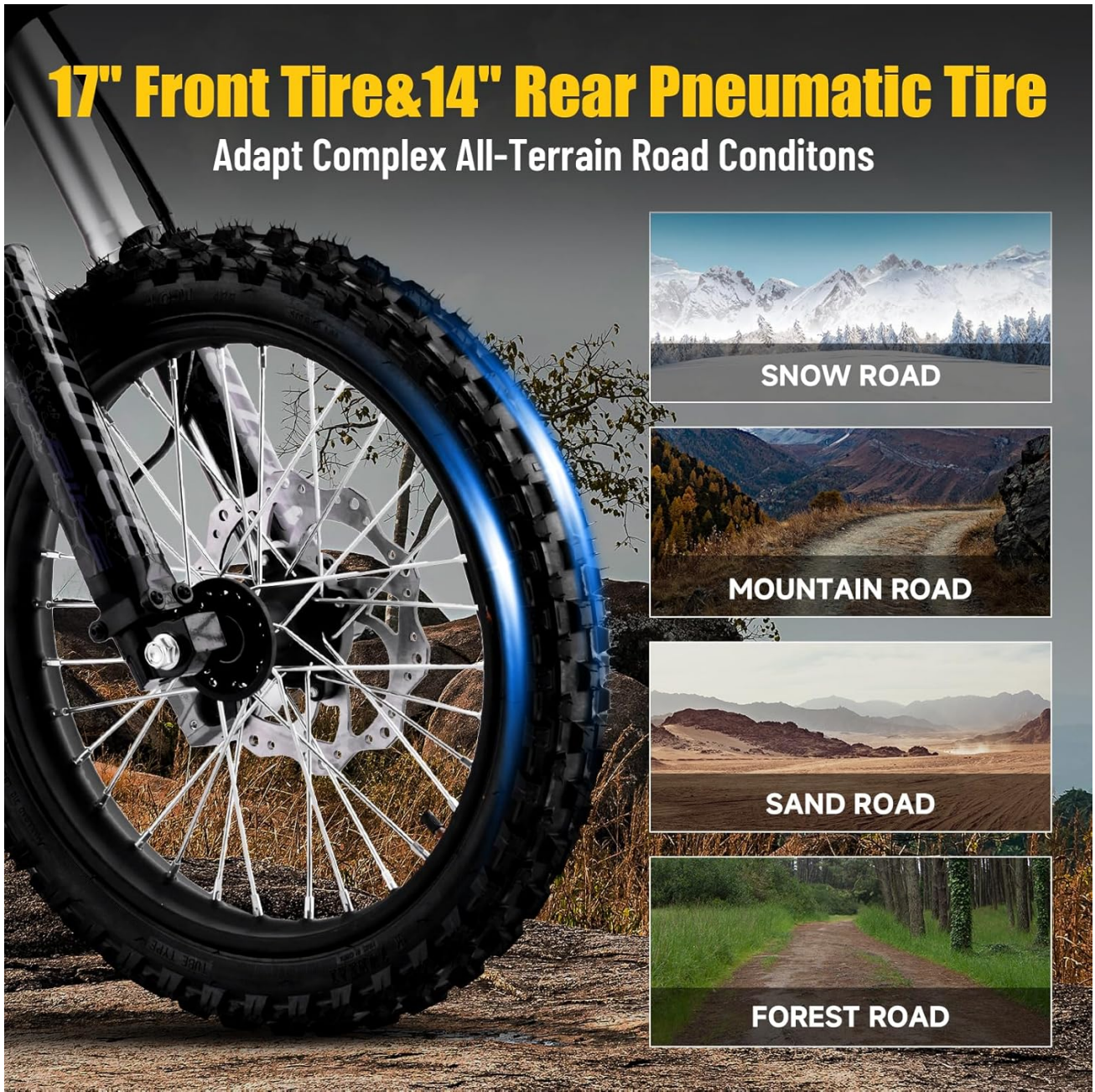
Detailed technical specifications for the KOOZ HP117E Electric Dirt Bike:

Feature	Specification
Motor	72 Volt 5000 Watt QS Brushless
Battery	72 Volt 30Ah Li-Ion
Controller	Far Driver 72v100ah
Water Rating	IP65
Recommended Age	13+
Max Rider Weight	210 lbs
Top Speed	50 MPH (rider weight and terrain dependent)
Speed Modes	3 Speeds: 25, 37, 50 mph (handlebar switch)
Distance Per Charge	40 miles (cruising speed on hard surface)
Charging Time	4-6 hours
Charger Included	Yes (84V/5A)
Frame/Rims Material	Steel
Front Tire	70/100-17 Knobby Pneumatic

Feature	Specification
Rear Tire	90/100-14 Knobby Pneumatic
Front Shock Travel	170mm
Rear Shock Travel	52.5mm-57.5mm
Seat Height	32 inches
Min Ground Clearance	13 inches
Product Weight	182 lbs



Figure 9.1: KOOZ HP117E Dimensions and Rider Specifications.



# 17" Front Tire & 14" Rear Pneumatic Tire

Adapt Complex All-Terrain Road Conditions



Figure 9.2: Knobby Pneumatic Tires for All-Terrain Conditions.

## 10. WARRANTY AND SUPPORT

The KOOZ HP117E Electric Dirt Bike comes with a **60-day parts replacement warranty**. This warranty covers manufacturing defects and component failures under normal use conditions.

For warranty claims, technical assistance, or any questions regarding your product, please contact KOOZ customer support through the retailer where you purchased the bike or directly via the manufacturer's official contact channels.

Please have your model number (HP117E) and proof of purchase ready when contacting support.