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## ANDSKY Apex 50

# ANDSKY Apex 50 Electric Bike User Manual

Model: Apex 50

## INTRODUCTION

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Welcome to the world of advanced electric biking with your new ANDSKY Apex 50. This electric mountain bike is engineered for superior performance, featuring a dual motor system, full suspension, and robust fat tires, designed to conquer diverse terrains from city streets to challenging off-road trails. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your Apex 50 electric bike. Please read it thoroughly before your first ride to ensure optimal performance and safety.



The ANDSKY Apex 50 Electric Bike, shown with various included accessories such as a water bottle holder, frame bag, bike lock, pump, and mirrors.

## Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local e-bike regulations and traffic laws. Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level. Avoid riding under the influence of alcohol or drugs. The Apex 50 is designed for adults; ensure the rider meets the recommended height and weight specifications.

- Always wear a certified helmet.
- Ensure all bolts and quick releases are securely fastened.
- Do not exceed the maximum weight recommendation of 350 pounds.
- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions or on slippery surfaces.

## Setup and Assembly

The ANDSKY Apex 50 electric bike comes partially assembled. Follow these steps carefully for final assembly. An installation tool set is included.

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 proper alignment and tightening the bolts securely.
3. **Front Wheel Installation:** Install the front wheel, ensuring the brake rotor is correctly seated in the caliper. Secure the quick release or axle nuts.
4. **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.
5. **Seat Post Installation:** Insert the seat post into the frame and adjust the saddle height for comfortable riding. Secure the quick release clamp.
6. **Battery Installation:** Insert the battery into its designated compartment. Ensure it clicks securely into place. The battery is lockable and removable for charging.
7. **Accessory Attachment:** Attach any included accessories such as fenders, lights, and racks as per their individual instructions.
8. **Pre-Ride Check:** Before your first ride, double-check all connections, tire pressure, and brake function.



Front view of the Apex 50, highlighting the robust front suspension and headlight.



Refer to this diagram for key dimensions and recommended rider height (5.7ft-6.5ft) for optimal fit.

## OPERATING YOUR APEX 50

The Apex 50 features a 3.5" Smart LCD Display and multiple riding modes for a versatile experience.

### Powering On/Off

Press and hold the power button on the display to turn the bike on or off. The display will show battery level, speed, and assist mode.

### Riding Modes

Your Apex 50 offers 6 modes, including Class 3 e-bike functionality with Pedelec and Throttle assist.

- **Pedal Assist (PAS):** Use the '+' and '-' buttons on the control panel to adjust the level of motor assistance while pedaling. Higher levels provide more power.
- **Throttle:** Engage the throttle for instant power without pedaling. Use responsibly and be aware of your surroundings.
- **Manual (Bike Only):** Ride the bike without any electrical assistance, similar to a traditional bicycle.

### Gearing

The Apex 50 is equipped with a 7-speed gear system. Use the trigger shifter to change gears according to terrain and desired speed. Shift smoothly to avoid strain on the drivetrain.

### Braking System

The bike features Dual Hydraulic Oil Brakes for superior stopping power and reduced hand fatigue. Apply both brakes simultaneously for effective and controlled stopping. The bright brake colors also serve as a visual reminder of the advanced braking capabilities.



## 52V Version: Dual Crown Hydraulic Dual Full Suspension Fork



This graphic demonstrates the improved stopping power and reduced hand fatigue offered by the upgraded front and rear dual hydraulic oil brakes compared to traditional mechanical brakes.

### Dual Motor Power

The Apex 50 boasts a 3000W Peak Dual Brushless Motor system with All-Wheel Drive (AWD), providing exceptional power and torque (190 Nm) for tackling steep inclines (up to 40% climb) and rugged terrains. This dual motor setup ensures impressive acceleration and off-road capability, with a top speed of 35 MPH.

## Available Colors

Find Your Color



The powerful 3000W AWD Dual Brushless Motors provide high torque and climbing capacity, enabling speeds up to 35+ MPH.

## MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Apex 50.

### Battery Care

The UL Listed 48V 1200WH/52V 1300WH Lithium Battery with BMS Intelligent Safety is designed for 1000+ cycles. Charge the battery using the provided charger only. Do not overcharge. Store the battery in a cool, dry place and charge it periodically if not in use for extended periods.

### Tire Pressure

Maintain proper tire pressure for the 26"x4" Fat Tires. Refer to the tire sidewall for recommended pressure ranges. Correct pressure improves ride quality, efficiency, and tire lifespan.

### Brake Inspection

Regularly check brake pads for wear and brake fluid levels for the hydraulic system. If you notice reduced braking performance, consult a qualified technician.

### Suspension System

The Hydraulic Dual Full Suspension system (Front Suspension and Front Fork Rear Shock) requires minimal maintenance. Keep the suspension components clean and free of debris. The 48V version has an adjustable locking hydraulic front fork, while the 52V version has a non-adjustable lockout hydraulic front fork.



The full suspension system, including front and rear shocks, is designed to absorb bumps for a comfortable ride on various terrains.

### General Cleaning

Clean your bike regularly with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.

## TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged or not properly seated; loose electrical connection.	Ensure battery is fully charged and securely installed. Check all visible cable connections.
Motor not assisting	PAS level set to zero; brake levers engaged; motor connection issue.	Increase PAS level on display. Ensure brake levers are fully released. Check motor cable connections.
Brakes feel spongy or weak	Air in hydraulic lines; worn brake pads.	Consult a bike technician for brake bleeding or pad replacement.
Unusual noises from drivetrain	Chain needs lubrication; derailleur out of adjustment.	Lubricate chain. If noise persists, have derailleur adjusted by a professional.

## SPECIFICATIONS

Detailed technical specifications for the ANDSKY Apex 50 Electric Bike.

**Bike Type:** Fat tire electric bike, Dual motor ebike, Off-road electric bike, Electric mountain bike

**Age Range:** Adult

**Brand:** ANDSKY

**Number of Speeds:** 7

**Color:** Black (other colors available: Blue, Green, Grey)

**Wheel Size:** 26 Inches

**Frame Material:** Carbon Steel

**Suspension Type:** Hydraulic Dual Full Suspension (Front Suspension and Front Fork Rear Shock)

**Special Feature:** AWD 3000W Peak Dual Brushless Motors, UL Listed 48V 1200WH/52V 1300WH Lithium Battery with BMS Intelligent Safety, Dual Hydraulic Disc Brakes, 7 Speed Gear, 1000+ Cycles Battery, Enlarged Inflatable Saddle, 6 modes Class 3 Ebike, 35 MPH Max Speed, 40° Uphill 190 NM, 3.5" Smart LCD Display, Lockable and Removable Battery, 26"x4" Fat Tires

**Included Components:** Electric Bike x 1, Installation Tool Set x 1, Battery x 1, Battery Charger x 1, Instruction Manual x 1, Bike Lock x 1, Bike Frame Bag x 1, Rear Bike Rack Bag x 1, Bike Water Bottle Holder x 1, Bike Pump x 1, Bike Mirror x 1

**Brake Style:** Dual Hydraulic Oil Brakes

**Wheel Width:** 4 Inches

**Power Source:** Electric motor (rechargeable battery)

**Wattage:** 2000 watts

**Wheel Material:** Aluminum

**Maximum Weight Recommendation:** 350 Pounds

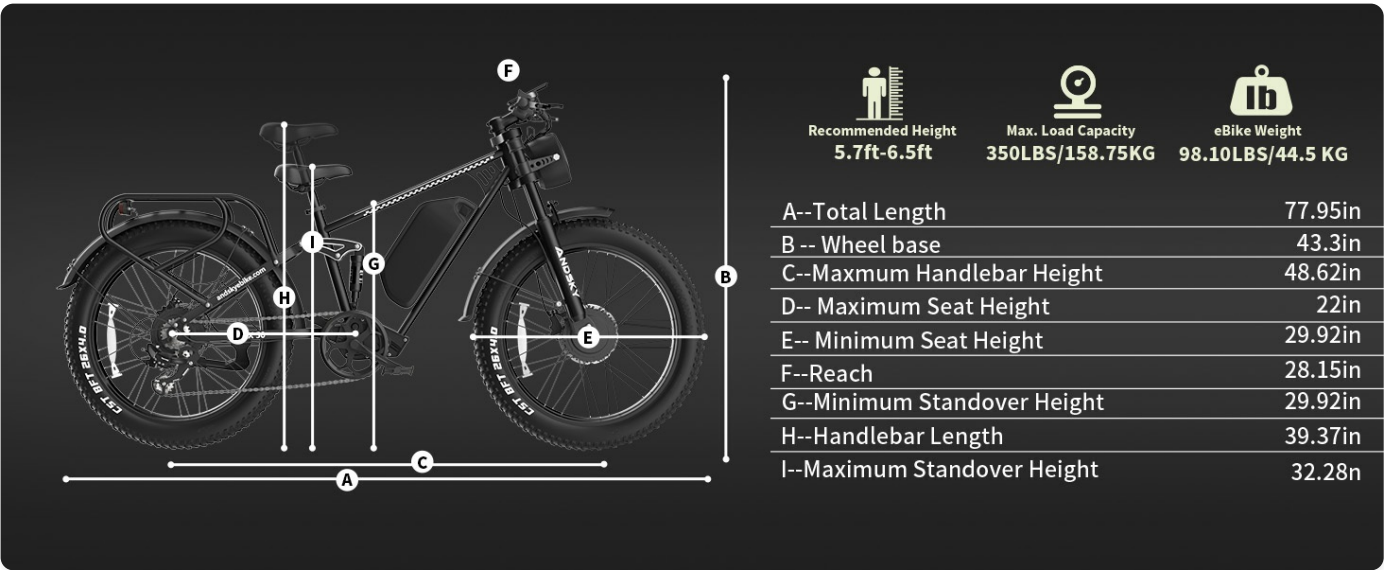
**Assembly Required:** Yes

**Bicycle Gear Shifter Type:** Trigger

**Skill Level:** Beginner

**Bicycle Drivetrain Type:** Dual Motor

**Electric Assist Type:** Pedelec with Throttle



The Apex 50 is available in Black, Blue, Green, and Grey color options.

## WARRANTY AND SUPPORT

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### Warranty Information

The ANDSKY Apex 50 Electric Bike comes with a 1-Year Warranty. For specific details regarding coverage and claims, please refer to the warranty card included with your purchase or contact ANDSKY customer support.

### Customer Support

For any questions, technical assistance, or support needs, please contact ANDSKY customer service. You can find contact information on the official ANDSKY website or through your purchase platform. Please have your model number and purchase date ready when contacting support.