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› Movcan V60 Electric Bike User Manual

Movcan V60

Movcan V60 Electric Bike User Manual

Model: V60

1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Movcan V60 Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference.



Figure 1: Movcan V60 Electric Bike Overview.

Key Features:

- 1000W Brushless Hub Motor (1500W Peak) for speeds up to 30 MPH.
- 48V 15.6Ah Removable Li-ion Battery, offering up to 70 miles range (PAS mode).
- 5 Riding Modes: Pure Electric, Pedal Assist (PAS), Cruise, Walk, and Bike Mode.
- 7-Speed Gearing for adaptable riding across various terrains.
- Dual Suspension (front and rear) for enhanced shock absorption.
- Dual Hydraulic Brakes for responsive and powerful stopping.
- 20 x 4-inch Fat Tires suitable for diverse terrains including gravel, road, sand, and snow.
- Intelligent LCD Display showing speed, battery status, PAS levels, and mileage.

2. SETUP AND ASSEMBLY

Your Movcan V60 Electric Bike arrives approximately 90% assembled. The remaining assembly typically involves attaching the front wheel, handlebars, pedals, and seat. A basic tool kit is included for convenience. For detailed visual instructions, please refer to the official assembly video provided by Movcan. This video will guide you through each step to ensure correct and safe assembly.

Your browser does not support the video tag.

Video 1: Movcan V60 Electric Bike Assembly Guide. This video demonstrates the assembly process and highlights key features of the bike.

After assembly, ensure all bolts and quick releases are securely tightened. Check tire pressure and brake functionality before your first ride.

3. OPERATING YOUR ELECTRIC BIKE

3.1 Powering On and Off

To power on the bike, press and hold the power button on the LCD display. To power off, repeat the process. The bike also features a power button on the back of the seat for an additional control point.

3.2 Riding Modes

The Movcan V60 offers five distinct riding modes to suit various preferences and terrains:

- **Pure Electric Mode:** Engages the motor via throttle for propulsion without pedaling.
- **Pedal Assist (PAS) Mode:** Provides motor assistance while you pedal, with adjustable levels of support.
- **Cruise Mode:** Maintains a set speed without continuous throttle input.
- **Walk Mode:** Provides low-speed motor assistance for walking the bike.
- **Bike Mode:** Operates as a traditional bicycle without motor assistance.

5 WORKING MODES & 7 SPEED GEARING

Seamlessly adjust to various riding scenarios



Figure 2: Understanding the 5 Working Modes.

3.3 Motor and Speed

Equipped with a 1000W brushless hub motor (1500W peak), the V60 can reach speeds up to 30 MPH. The motor provides significant torque for climbing inclines up to 30 degrees.



Figure 3: 1000W Powerful Brushless Motor.

3.4 Battery and Charging

The 48V 15.6Ah removable Li-ion battery provides a range of up to 70 miles in PAS mode and 34 miles in pure electric mode. Charging time is approximately 5-6 hours. The battery can be charged while installed on the bike or removed for convenient charging indoors.



Figure 4: 48V 15.6Ah Removable Battery.

3.5 Intelligent LCD Display

The intelligent LCD display provides real-time information including current speed, maximum speed, average speed, battery status, pedal assist level (PAS), trip distance, total mileage, and troubleshooting codes. This allows you to monitor your ride data at a glance.



Figure 5: Intelligent LCD Display.

4. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Movcan V60 Electric Bike.

4.1 General Care

- Keep the bike clean, especially after riding in wet or muddy conditions.
- Store the bike in a dry place, away from direct sunlight and extreme temperatures.
- Regularly check all fasteners for tightness.

4.2 Brakes

The V60 is equipped with dual hydraulic brakes, offering superior stopping power and responsiveness compared to mechanical brakes. Regularly inspect brake pads for wear and ensure brake levers operate smoothly. If you notice reduced braking performance or unusual noises, have the brakes inspected by a qualified technician.

DUAL HYDRAULIC BRAKES

More powerful and sensitive braking force

80%
better braking performance

Hydraulic Brakes

Brake Stop

Mechanical Brakes

Brake Stop

Figure 6: Dual Hydraulic Brakes.

4.3 Tires

The 20 x 4-inch fat tires are designed for all-terrain performance. Check tire pressure before each ride and maintain it within the recommended range (typically indicated on the tire sidewall). Inspect tires for cuts, punctures, or excessive wear. Proper tire maintenance enhances ride comfort and safety.



Figure 7: All-Terrain Fat Tires.

4.4 Suspension

The dual suspension system (front and rear) absorbs shocks and vibrations, providing a smoother ride. Periodically check the suspension components for any signs of damage or leaks. Keep the suspension clean and free of debris.



Figure 8: Front & Rear Suspension System.

5. TROUBLESHOOTING

This section provides general guidance for common issues. For more complex problems, please contact Movcan customer support.

- **Bike not powering on:** Check if the battery is properly seated and charged. Ensure the key is in the "on" position if applicable.
- **Motor not assisting:** Verify that the PAS level is not set to zero and that the throttle is engaged (if in pure electric mode). Check for any error codes on the LCD display.
- **Reduced range:** This can be due to riding conditions (e.g., steep hills, strong headwinds), excessive use of throttle, low tire pressure, or battery degradation over time.
- **Brake noise:** New brakes may make some noise. If noise persists or braking performance is affected, inspect brake pads and rotors for contamination or wear.

6. SPECIFICATIONS

Below are the detailed specifications for the Movcan V60 Electric Bike:

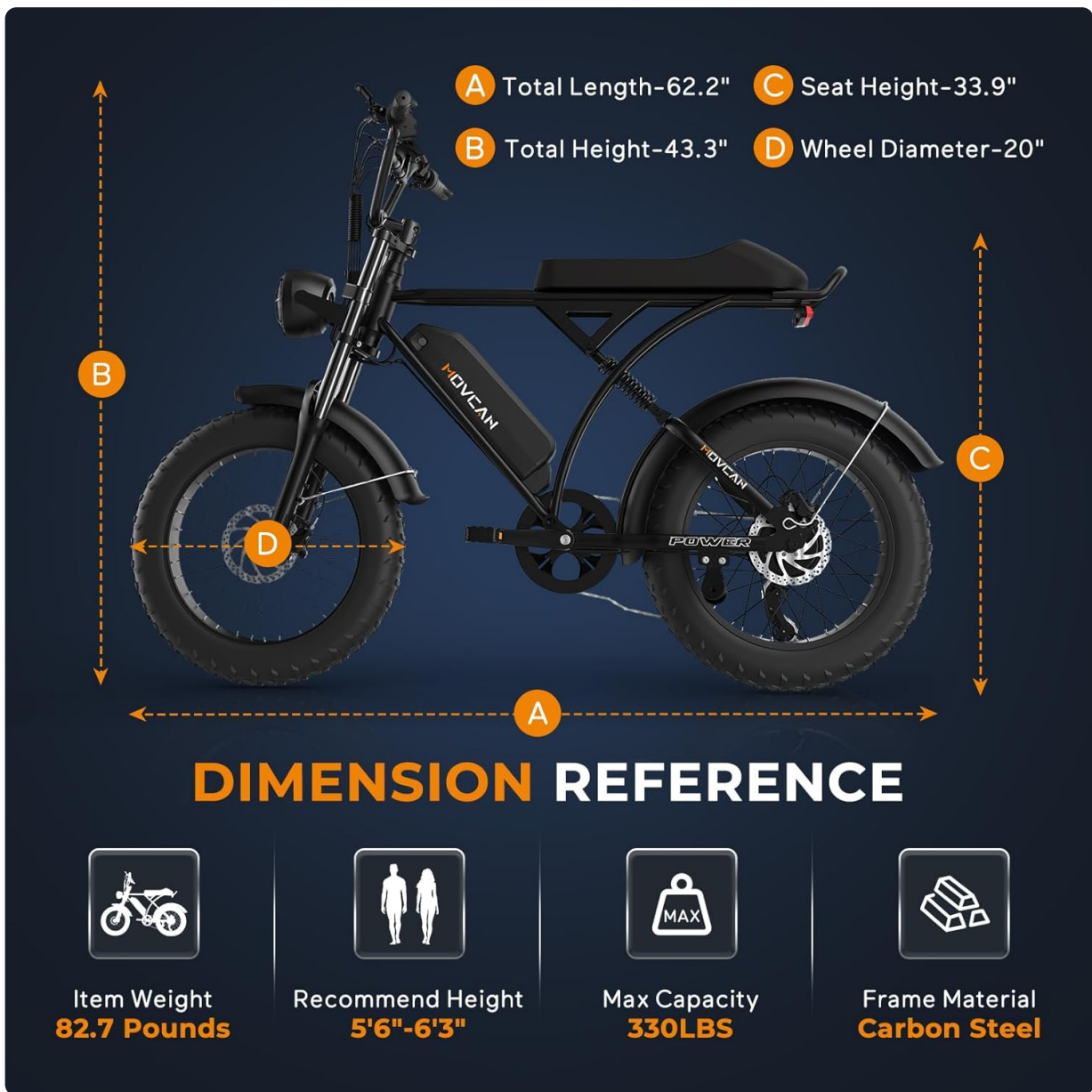


Figure 9: Movcan V60 Dimension Reference.

Feature	Specification
Bike Type	Electric Bike
Brand	Movcan
Model Name	V60
Motor	1000W Brushless Hub (1500W Peak)
Max Speed	30 MPH
Battery	48V 15.6Ah Removable Li-ion
Range (PAS Mode)	Up to 70 Miles
Range (Pure Electric)	Up to 34 Miles
Charging Time	5-6 Hours
Number of Speeds	7 (Shimano Gearing)

Feature	Specification
Brake Style	Dual Hydraulic Disc Brakes
Suspension Type	Dual (Front & Rear)
Wheel Size	20 Inches
Wheel Width	4 Inches (Fat Tire)
Frame Material	Carbon Steel
Item Weight	100.91 Pounds
Max Capacity	330 LBS
Recommended User Height	5'6" - 6'3"
Special Feature	Rechargeable, Intelligent LCD Display
Included Components	Dual Hydraulic Brakes, Phone Holder, Tool Kit

7. WARRANTY AND SUPPORT

Movcan provides a 12-month limited warranty for your electric bike. For warranty claims or any product-related inquiries, please visit the official Movcan website at movcan-bike.com or contact customer support via email at support@movcan-bike.com. Customer support typically responds within 24 hours to assist with your concerns.