Pikabike Z8

Pikabike Z8 Electric Folding Bike User Manual

Model: Z8

Introduction

Welcome to the Pikabike Z8 Electric Folding Bike user manual. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your bike. The Pikabike Z8 is designed for commuting and daily riding, featuring a powerful 1200W peak motor, a 48V 10AH removable battery, and a convenient folding design.



Image: Two Pikabike Z8 electric folding bikes, showcasing both the unfolded and compact folded states.

Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations.

- **Pre-Ride Check:** Before each ride, inspect tires, brakes, battery level, and ensure all quick releases and fasteners are secure.
- **Weight Limit:** Do not exceed the maximum load capacity of 385 lbs.
- **Weather Conditions:** Avoid riding in heavy rain or extreme weather. While the battery has IPX7 waterproofing, prolonged exposure to water can damage electrical components.
- **Night Riding:** Utilize the bright headlights and warning lights for visibility during night rides.
- **Braking:** Familiarize yourself with the dual-disc braking system for effective stopping.



Image: Close-up view of the Pikabike Z8's front headlight and rear brake/warning lights, demonstrating their illumination during night riding.

Components Overview

Familiarize yourself with the key components of your Pikabike Z8.

1. Powerful 1200W Peak Motor

The Z8 is equipped with a high-performance 1200W peak brushless motor, capable of conquering inclines up to 20° and reaching a top speed of 25 mph.



Image: Detailed diagram illustrating the internal structure of the 1200W peak brushless motor.

2. 48V 10AH Removable Lithium-Ion Battery

The 48V 480Wh high-capacity lithium-ion battery provides a maximum range of 40 miles and charges fully in 3-5 hours. Its removable and lockable design allows for convenient charging anywhere.



Image: Diagram of the 48V 10AH lithium-ion battery pack, emphasizing its high power and quick charging features.

3. Liquid Crystal Display Instrumentation

The digital display provides real-time information including battery level, speed, mileage, and light status.



Image: Close-up view of the liquid crystal display, showing various ride metrics and controls.

4. Multi-Vibration Damping System

The bike features dual shock absorbers in the front fork and rear frame, along with a seat damper, to reduce bumps and ensure a smooth ride.



Image: Diagram illustrating the multi-vibration damping system, including fork, center, and rear shocks.

Setup

1. **Unboxing:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Initial Charge:** Before first use, fully charge the battery. Connect the charger to the battery port and then to a power outlet. The indicator light on the charger will change when fully charged (typically 3-5 hours).
3. **Handlebar Adjustment:** Loosen the quick-release lever on the handlebar stem. Adjust the handlebar height to a comfortable position and secure the lever firmly.
4. **Seat Adjustment:** Loosen the quick-release lever on the seat post. Adjust the seat height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure the lever firmly.
5. **Pre-Ride Inspection:** Perform a thorough check of all bolts, quick releases, and tire pressure before your first ride. Ensure the tires are inflated to the recommended pressure (refer to tire sidewall).

Operating Instructions

1. **Powering On/Off:** Press and hold the power button on the display to turn the bike on or off.
2. **Riding Modes:** The Pikabike Z8 offers three versatile riding modes:
    - **Pure Electric Mode:** Engage the throttle for motor-only propulsion.
    - **Pedal-Assist Mode:** The motor provides assistance as you pedal. Adjust the assist level via the display.
    - **Bike Mode:** Ride as a traditional bicycle without motor assistance.



Image: Visual representation of the three riding modes: Throttle, Pedal Assist, and Walk Assist.

3. **Using the Display:** The liquid crystal display shows current speed, battery level, trip mileage, and allows control of the lights. Refer to the display's specific instructions for detailed navigation.
4. **Braking:** The bike is equipped with high-efficiency dual-disc brakes. Apply both front and rear brakes smoothly and simultaneously for optimal stopping power.
5. **Folding the Bike:** The Z8 features a three-step quick-fold design for easy storage and transport.
    - **Step 1:** Lower the seat post.
    - **Step 2:** Fold the handlebar stem down.
    - **Step 3:** Release the frame hinge and fold the main frame in half.

    Ensure all folding mechanisms are securely latched before and after folding.



Image: Demonstration of the three-step quick-fold feature, showing the bike being stored in a car trunk.

Maintenance

- **Battery Care:**
  - Charge the battery regularly, even if not in use, to maintain its health.
  - Avoid completely draining the battery.
  - Store the battery in a cool, dry place.
- **Tire Pressure:** Regularly check and maintain the correct tire pressure as indicated on the tire sidewall. Proper inflation ensures safety and extends tire life.
- **Brake Inspection:** Periodically check brake pads for wear and brake cables for proper tension. Adjust or replace as needed.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Shock Absorbers:** Inspect the front fork, center, and rear shock absorbers for any signs of damage or leaks. Keep them clean.
- **Fasteners:** Regularly check and tighten all bolts and fasteners, especially on the folding mechanisms, handlebars,

and seat post.

Troubleshooting

Problem	Possible Cause	Solution
Bike does not power on.	Battery is low or not connected.	Charge the battery. Ensure the battery is properly seated and locked.
Motor not assisting.	Battery low, pedal-assist level too low, or brake lever engaged.	Check battery charge. Increase pedal-assist level on display. Ensure brake levers are fully released.
Brakes feel weak.	Worn brake pads or loose brake cable.	Inspect brake pads for wear and replace if necessary. Adjust brake cable tension. Consult a professional if unsure.
Unusual noises during ride.	Loose components, chain issues, or suspension noise.	Check all fasteners. Lubricate chain. Inspect suspension components.

Specifications

Feature	Detail
Model Name	Z8
Bike Type	Folding Bike
Motor	1200W Peak Brushless Motor
Max Speed	25 MPH
Battery	48V 10AH (480Wh) Removable Lithium-Ion
Max Range	40 Miles (Pure Electric), 50+ Miles (Pedal-Assist)
Charging Time	3-5 Hours
Wheel Size	14 Inches (Pneumatic Tire)
Frame Material	Alloy Steel
Suspension Type	Dual (Front Fork, Rear Frame, Seat Damper)
Brake Style	Disc (Dual Disc Brake)
Max Load	385 LBS
Scooter Weight	55 LBS
Folded Dimensions	29.53 x 23.23 inches
Recommended Height	4'11" - 6'3"
Included Components	Charger, Tool Kit, User Manual

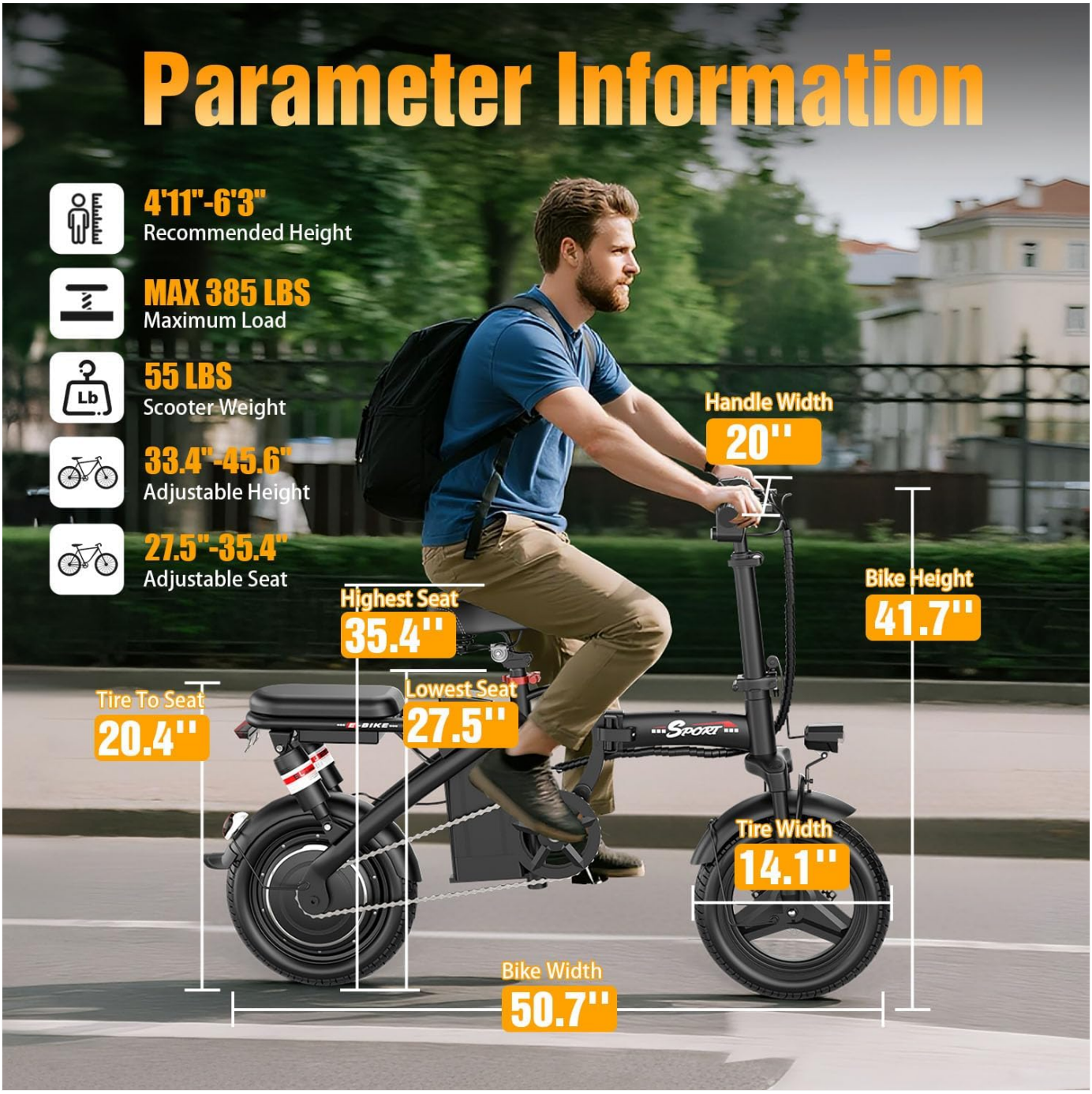


Image: Detailed parameter information and dimensions of the Pikabike Z8.

Warranty and Support

For warranty information, please refer to the documentation included with your purchase or contact Pikabike customer support.
If you encounter any issues not covered in this manual or require further assistance, please contact our customer support team.

Customer Support: Refer to your purchase receipt or the Pikabike official website for contact details.

Online Resources: Visit the Pikabike website for FAQs, video tutorials, and additional support.

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