SOCLING Z1

SOCLING Z1 Adult Electric Folding Ebike User Manual

Model: Z1

Introduction

This manual provides essential information for the safe and efficient operation of your SOCLING Z1 Adult Electric Folding Ebike. Please read it thoroughly before your first ride and keep it for future reference. The SOCLING Z1 is designed for adult commuters, college students, and travelers, offering a blend of power, comfort, and portability.
Key features include a 500W brushless motor (740W peak), a 48V 15Ah battery, 14-inch wheels, dual suspension, and three riding modes.

Safety Information

Always wear a helmet and appropriate safety gear when riding. Ensure all components are securely fastened before each use. Familiarize yourself with local traffic laws and regulations regarding electric bicycles. Avoid riding in adverse weather conditions or on challenging terrain until you are comfortable with the bike's handling.
Regularly inspect tires, brakes, and battery connections for optimal performance and safety.

What's in the Box

- SOCLING Z1 Electric Folding Ebike (partially assembled)
- Tool Kit
- Electric Bicycle Charger (2A, 48V)
- User Manual
- Keys (2 sets)
- Remote Control (for alarm and power)
- Front Basket (foldable)
- Phone Holder with USB Charging Port

Setup and Assembly

Your SOCLING Z1 Ebike arrives largely pre-assembled. Minimal setup is required before your first ride.

1. **Unfolding the Ebike:** Carefully unfold the main frame and secure the latch. Raise the handlebar stem and secure its latch. Adjust the seat post height to your comfort.
2. **Attaching Pedals:** The pedals are included in the toolkit. Identify the left (L) and right (R) pedals. Screw them into the crank arms by hand, then tighten securely with the provided wrench.
3. **Charging the Battery:** The battery may not be fully charged upon arrival. Connect the charger to the battery's charging port. The charger has a fan to prevent overheating.
4. **Attaching Accessories:** Install the front basket by hooking it onto the handlebars and securing the bottom strap. Attach the phone holder to the handlebar.



Image: The SOCLING Z1 Ebike folded, demonstrating its compact size for easy transport in a car trunk.

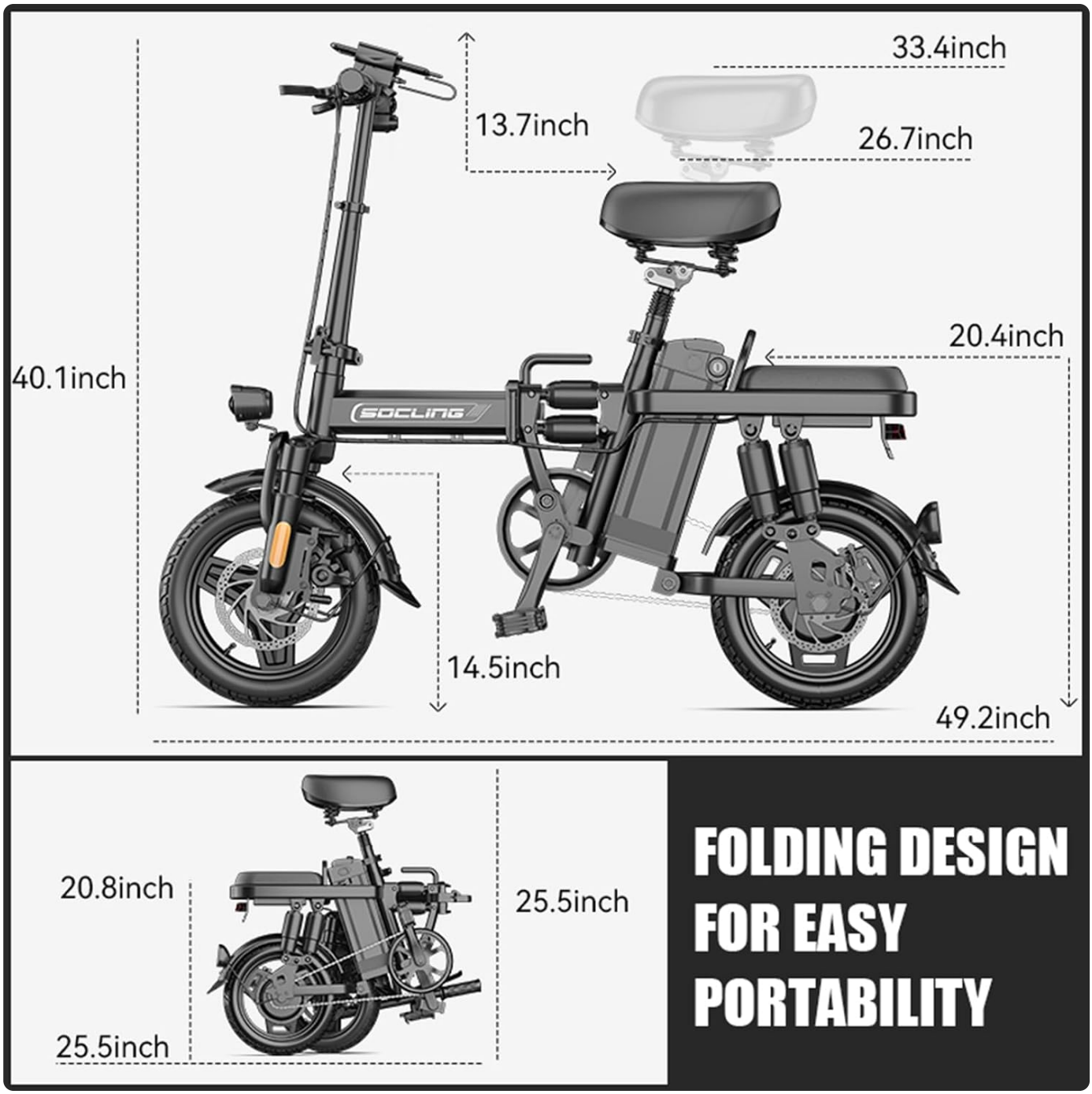

Image: Detailed dimensions of the SOCLING Z1 Ebike in both unfolded and folded configurations, highlighting its portability.

Components Overview

- **500W Brushless Motor (740W Peak):** Integrated into the rear wheel for powerful and quiet operation.
- **48V 15Ah Lithium-Ion Battery:** Provides up to 40 miles of assist range and 20-25 miles electric-only range. Removable for convenient charging.
- **14-inch Aluminum Alloy Integrated Wheels:** Durable and agile for various terrains.
- **Dual Disc Brakes:** Located on both front and rear wheels for reliable stopping power.
- **Dual Suspension System:** Features 10 shock absorbers, including hydraulic fork damping, seat pack spring damping, center spring damping, and rear quadruple hydraulic damping for a smooth ride.
- **LCD Display:** Shows speed, battery level, and pedal assist level.
- **Headlight & Taillight:** Integrated for visibility and safety.
- **Turn Signals:** Front and rear for clear communication with traffic.

- **Horn:** Loud for alerting others.
- **Phone Holder with USB Port:** Convenient for navigation and charging devices on the go.



Image: The SOCLING Z1 Adult Electric Folding Ebike, showcasing its overall design and features.



Image: Close-up view of the 740W peak brushless motor integrated into the rear wheel of the SOCLING Z1 Ebike.



Image: Detailed view of the headlamp, taillight, and LCD display on the SOCLING Z1 Ebike handlebars.



Image: Illustration of the SOCLING Z1 Ebike's full suspension system, highlighting its 10 shock absorbers for enhanced comfort.

Operating Instructions

Powering On/Off

The ebike can be powered on/off using the key in the ignition or via the remote control. The remote also activates an alarm feature for security.

Riding Modes

The SOCLING Z1 offers three distinct riding modes, easily switchable via the handlebar controls:

- **Electric-Only Mode:** Engage the throttle for pure electric power without pedaling.
- **Pedal Assist Mode:** The motor provides assistance as you pedal, with 3 adjustable speed levels (Gear 1: up to 10MPH, Gear 2: 10-19MPH, Gear 3: up to 28MPH).
- **Regular Bike Mode:** Ride like a traditional bicycle with no motor assistance.



Image: Visual representation of the three riding modes available on the SOCLING Z1 Ebike: Throttle Mode, Pedal Assist, and Bike Mode.

Controls

- **Throttle:** Located on the right handlebar for electric-only propulsion.
- **Brake Levers:** Dual disc brakes are activated by levers on both handlebars.
- **LCD Display:** Provides real-time information on speed, battery level, and trip distance.
- **Headlight/Taillight Switch:** Controls the integrated lighting system.
- **Turn Signal Switch:** Activates front and rear turn signals.
- **Horn Button:** For audible alerts.

Video: A demonstration of the SOCLING Z1 Folding Electric Bike's features, including its folding mechanism and controls.

Folding the Ebike

To fold the ebike, first ensure the battery is removed for lighter handling. Open the main frame latch and fold the bike in half. Then, open the handlebar stem latch and fold the handlebars down. This compact design allows for easy storage and transport.

Video: A short preview demonstrating the folding process of the SOCLING Z1 Ebike for compact storage.

Battery Information

The SOCLING Z1 is equipped with a 48V 15Ah (720Wh) rechargeable lithium-ion battery. It is designed to be removable for convenient charging indoors or to reduce the bike's weight for transport.

- **Removal:** Use the provided key to unlock the battery from its housing.
- **Charging:** Connect the 2A charger to the battery's charging port. A full charge typically takes approximately 6 hours.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.



Image: The removable 48V 15Ah lithium battery of the SOCLING Z1 Ebike, showing the charging port and battery lock.

Maintenance

- **Tire Pressure:** Maintain tire pressure between 35-45 PSI for optimal performance and safety. Always check the sidewall of your tires for specific recommendations.
- **Brakes:** Regularly inspect brake pads and cables for wear. Adjust as needed to ensure responsive braking.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth operation.
- **Fasteners:** Periodically check all bolts and fasteners for tightness, especially after initial assembly and the first few rides.
- **Cleaning:** Clean the ebike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.

Troubleshooting

- **Ebike Not Powering On:** Ensure the battery is properly inserted and locked, and fully charged. Check the ignition key position or try powering on with the remote control.
- **Motor Not Assisting:** Verify that pedal assist is enabled on the LCD display and that the battery has sufficient charge. Check for any loose connections to the motor.
- **Brakes Squealing/Ineffective:** Inspect brake pads for wear and ensure they are clean. Adjust brake cable tension if necessary.
- **Display Not Working:** Check battery connection and ensure the ebike is powered on. If issues persist, consult customer support.

Video: A detailed review of the SOCLING Z1 Ebike, including demonstrations of its features and potential troubleshooting insights.

Specifications

Feature	Specification
Model Name	Z1
Brand	SOCLING
Bike Type	Commuting Bike, Folding Bike
Age Range	Adult
Motor Power	500W Brushless (740W Peak)
Nominal Voltage	48V
Battery Capacity	15Ah (720Wh)
Max Speed	Up to 28 MPH
Electric Assist Type	Pedal Assist (3 Levels)
Wheel Size	14 Inches
Frame Material	Metal (Steel)
Suspension Type	Dual (Front Fork & Rear Shock Absorbers)
Brake Style	Disc (Dual Disc Brakes)
Max Weight Recommendation	150 Kilograms
Item Weight	30 Kilograms
Assembly Required	Yes (Minimal)

Warranty and Support

The SOCLING Z1 Ebike comes with a full warranty. For specific details regarding warranty coverage, duration, and claims, please refer to the warranty card included in your product packaging or contact SOCLING customer support directly. Keep your purchase receipt as proof of purchase.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question