

onerbl 54.6V AC/DC Adapter

onerbl 54.6V AC/DC Adapter Instruction Manual

Compatible with Macwheel Wrangler-600 Electric Bike

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your onerbl 54.6V AC/DC Adapter. This power supply is designed to convert AC power from an electrical outlet into the DC power required for charging 48V 10Ah 480Wh Lithium Li-ion batteries, specifically compatible with the Macwheel Wrangler-600 electric bike.

The adapter is manufactured with high-quality materials and tested to ensure it meets the power needs of your device, offering reliable performance and protection features.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the adapter. Failure to follow these instructions may result in electric shock, fire, or damage to the product or connected devices.

- **Indoor Use Only:** This adapter is designed for indoor use. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper Ventilation:** Ensure the adapter is placed in a well-ventilated area. Do not cover the adapter or place it in an enclosed space during operation, as this can lead to overheating.
- **Avoid Liquid Contact:** Keep the adapter away from water, liquids, and excessive humidity.
- **Correct Voltage:** Only connect the adapter to power outlets providing AC 100-240V, 50/60Hz.
- **Handle with Care:** Do not drop, disassemble, or attempt to repair the adapter. Refer all servicing to qualified personnel.
- **Unplug When Not in Use:** Disconnect the adapter from the power outlet when not in use for extended periods.
- **Cable Integrity:** Do not use the adapter if the power cord or plug is damaged. Avoid placing heavy objects on the cable or bending it sharply.

3. PRODUCT OVERVIEW

The onerbl 54.6V AC/DC Adapter consists of the main adapter unit, an AC input power cable, and a DC output cable with a compatible connector for your electric bike's battery.



Image 3.1: The onerbl 54.6V AC/DC Adapter, showing the main adapter unit, the AC input power cable (with a two-prong plug), and the DC output cable (with a round connector).



Image 3.2: A close-up view of the AC input power cable, featuring a standard two-prong plug for connecting to a wall outlet and a C7 connector for the adapter unit.

4. SPECIFICATIONS

Feature	Description
Input Voltage	AC 100-240V, 50/60Hz (Worldwide Auto Input)
Output Voltage	54.6V DC
Compatibility	Macwheel Wrangler-600 Electric Bike, 48V 10Ah 480Wh Lithium Li-ion Battery
Protections	Over Voltage Protection, Over Heat Protection
Adapter Unit Dimensions (L x W x H)	4.2 inches x 1.8 inches x 1.2 inches (approximately)
Total Cable Length	127.8 inches (approximately)
AC Cable Length	79.3 inches (approximately)
DC Cable Length	44.3 inches (approximately)

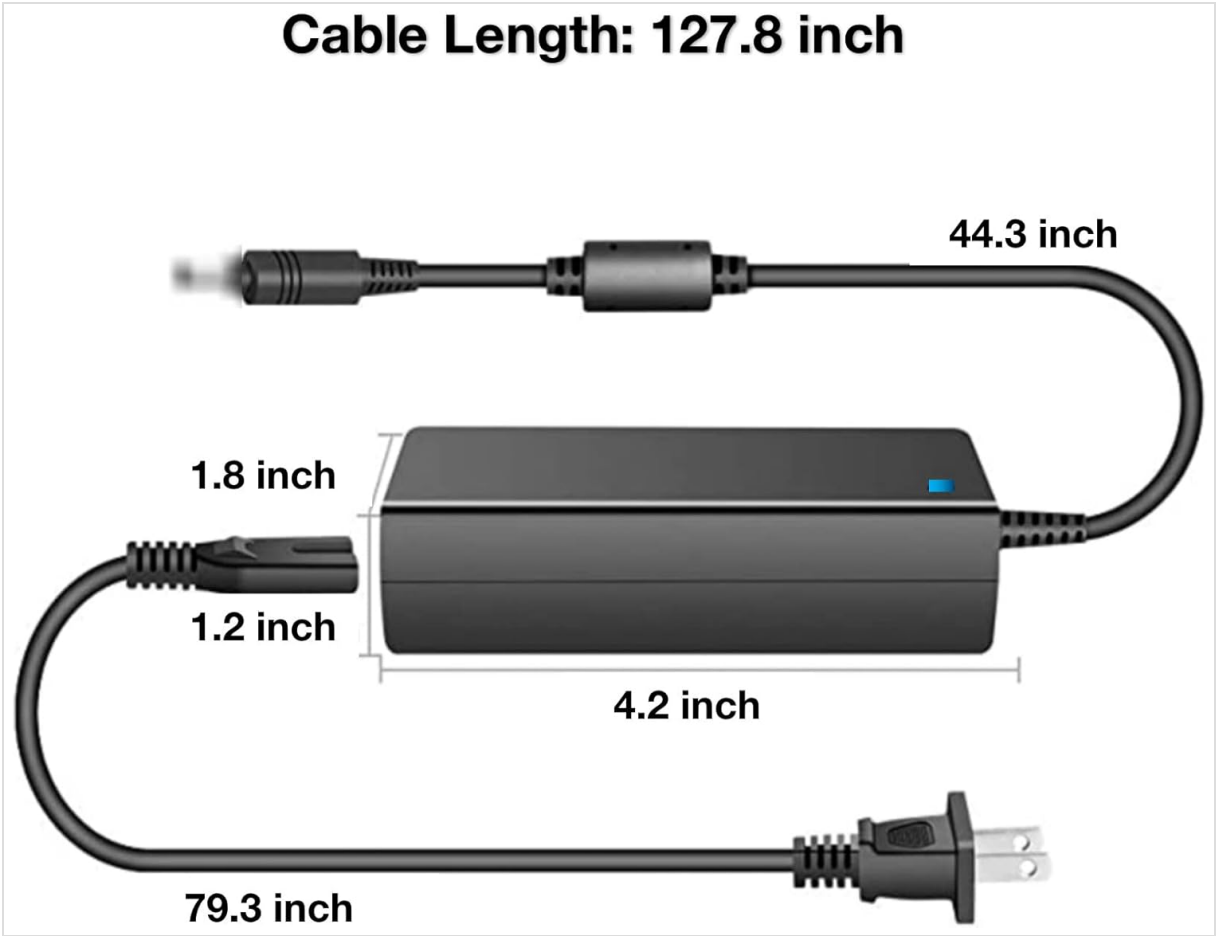


Image 4.1: Detailed dimensions of the adapter unit and its connected cables, illustrating the length of each segment.

5. SETUP AND CONNECTION

Follow these steps to properly connect your onerbl AC/DC Adapter:

1. **Connect AC Cable:** Insert the C7 connector end of the AC input power cable into the corresponding port on the main adapter unit.
2. **Connect to Power Outlet:** Plug the two-prong end of the AC input power cable into a standard wall electrical outlet (AC 100-240V).
3. **Connect to Device:** Insert the DC output connector of the adapter into the charging port of your Macwheel Wrangler-600 electric bike or its battery. Ensure the connection is firm.
4. **Verify Indicator:** A blue indicator light on the adapter unit should illuminate, indicating that power is being supplied and the device is charging.



Image 5.1: The adapter unit connected to a wall outlet via its AC cable and to a device (implied, likely an electric bike battery) via its DC output cable. A blue indicator light is visible on the adapter.

6. OPERATION

Once connected, the adapter will automatically begin supplying power to your device or charging its battery. The blue indicator light on the adapter signifies active operation. When the battery is fully charged, it is recommended to disconnect the adapter from both the wall outlet and the device.

7. MAINTENANCE AND CARE

- **Cleaning:** Disconnect the adapter from all power sources before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or aerosols.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Management:** Avoid tightly winding the cables or bending them at sharp angles, which can damage the internal wires.
- **Inspection:** Periodically inspect the adapter and cables for any signs of damage, such as frayed wires or cracked casing. Discontinue use if damage is found.

8. TROUBLESHOOTING

If you encounter issues with your adapter, refer to the following common problems and solutions:

- **Adapter Not Powering On (No Indicator Light):**
 - Ensure the AC input cable is securely connected to both the adapter and the wall outlet.
 - Verify the wall outlet is functional by plugging in another device.
 - Check for any visible damage to the adapter or cables.
- **Device Not Charging:**
 - Confirm the DC output connector is fully inserted into the device's charging port.
 - Ensure the adapter's indicator light is on.
 - Verify the device's battery is not fully charged or has no internal issues.
- **Adapter Overheating:**
 - Disconnect the adapter immediately.
 - Ensure it is in a well-ventilated area and not covered.
 - If overheating persists after ensuring proper ventilation, discontinue use and contact support.

If these steps do not resolve the issue, please contact customer support.

9. WARRANTY AND SUPPORT

The onerbl 54.6V AC/DC Adapter is designed and tested for quality and reliability. For any questions, technical assistance, or support inquiries, please refer to the contact information provided by your retailer or the manufacturer.