

Kircuit PS54 DC25V-28V

Kircuit AC/DC Adapter User Manual

FOR BLUETTI PS54 PORTABLE POWER STATION (MODEL: PS54 DC25V-28V)

1. Introduction

This manual provides essential instructions for the safe and effective use of your Kircuit AC/DC Adapter. This adapter is designed to convert AC power from electrical outlets into the DC power required by your compatible device, specifically the Bluetti PS54 700W 537Wh Portable Power Station. It enables you to operate your device or charge its internal battery. Please read this manual thoroughly before using the product and retain it for future reference.

2. Product Features

- **Universal Input Voltage:** Supports worldwide input voltage from 100-240VAC, 50/60Hz, allowing for versatile use in various regions.
- **Safety Protections:** Equipped with Over Voltage Output Protection (OVP), Over Current Output Protection (OCP), and Short Circuit Output Protection (SCP) to ensure safe operation and protect your devices.
- **Compatibility:** Specifically designed and tested for compatibility with Bluetti PS54 700W 537Wh Portable Power Stations, providing DC 25V-28V output.
- **Durable Design:** Features an anti-interference magnetic ring for enhanced reliability and stable system operation.



Image 1: The Kircuit AC/DC Adapter with its detachable power cord, ready for connection.

3. Setup Instructions

1. **Unpack the Adapter:** Carefully remove the AC/DC adapter and power cord from its packaging.
2. **Connect the Power Cord:** Insert the AC power cord into the adapter's input port. Ensure a firm connection.
3. **Connect to Device:** Plug the DC output connector of the adapter into the DC input port of your Bluetti PS54 Portable Power Station.
4. **Connect to Power Outlet:** Plug the AC power cord into a standard electrical wall outlet (100-240VAC).
5. **Verify Connection:** Once connected, the adapter should begin supplying power or charging your device. Refer to your Bluetti PS54 manual for charging indicators.



Image 2: The AC/DC adapter and the separate AC power cord, illustrating how they connect.



Image 3: The Kircuit AC/DC adapter plugged into a standard wall outlet, demonstrating typical usage.

4. Operating Instructions

The Kircuit AC/DC Adapter operates automatically once connected to a power source and your compatible device. It will provide the necessary DC power for operation or initiate battery charging.

- Ensure the adapter is placed in a well-ventilated area during operation to prevent overheating.
- Do not cover the adapter while it is in use.
- Disconnect the adapter from the power outlet when not in use for extended periods.

5. Maintenance

- **Cleaning:** Disconnect the adapter from all power sources before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and moisture when not in use.

- **Cable Care:** Avoid bending or crimping the cables excessively. Do not place heavy objects on the cables.
- **Battery Lifespan:** Rechargeable batteries typically have a lifespan of 2-3 years. If your device is not charging, consider checking if the rechargeable battery itself is worn out.

6. Troubleshooting

Problem	Possible Cause	Solution
Adapter not supplying power/device not charging.	◦ Loose connection. ◦ Faulty power outlet. ◦ Worn-out device battery. ◦ Damaged adapter or cable.	◦ Ensure all connections are secure. ◦ Test the power outlet with another device. ◦ If the device battery is old (2-3 years), it may need replacement. ◦ Inspect the adapter and cables for visible damage. If damaged, discontinue use and replace.
Adapter feels hot during use.	◦ Normal operation (slight warmth). ◦ Poor ventilation. ◦ Overload or internal fault.	◦ A slight warmth is normal. ◦ Ensure the adapter is in a well-ventilated area and not covered. ◦ If excessively hot or emitting smoke/smell, immediately disconnect from power and discontinue use.

7. Specifications

Brand	Kircuit
Model Compatibility	Bluetti PS54 Portable Power Station (DC25V-28V)
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	DC 25V-28V
Connector Type	Barrel Connector
Special Features	OVP, OCP, SCP Protection; Anti-interference magnetic ring
Color	Black
Power Source	Corded Electric
Manufacturer	Shenzhen Waweis Technology Co., Ltd



Image 4: Detailed view of the adapter showing its dimensions and the anti-interference magnetic ring on the DC cable.

8. Safety Information

To ensure safe operation and prevent damage to the adapter or connected devices, please observe the following safety guidelines:

- Do not expose the adapter to water, rain, or excessive moisture.
- Avoid dropping or subjecting the adapter to severe impact.
- Do not attempt to open, modify, or repair the adapter. Refer servicing to qualified personnel.
- Ensure the adapter is used within its specified input and output voltage ranges.
- Keep the adapter away from heat sources and flammable materials.
- The built-in Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) are designed to safeguard your devices. However, always use the adapter responsibly.

9. Warranty and Support

For warranty information or technical support regarding your Kircuit AC/DC Adapter, please refer to the purchase documentation or contact the retailer/manufacturer directly. Keep your proof of purchase for any warranty claims.

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