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**Kircuit AK120WG-2400500W2**

# Kircuit AC/DC Adapter Instruction Manual

Model: AK120WG-2400500W2

Compatible with BROWEY PN-C600 Portable Power Station

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your Kircuit AC/DC Adapter. This adapter is designed to convert standard AC power into the DC power required by your compatible device, such as the BROWEY Model PN-C600 Portable Power Station. It allows you to operate your device or charge its battery from electrical power outlets.

The adapter features a wide input voltage range of 100-240VAC at 50/60Hz, making it suitable for international use. It is equipped with multiple protection features to ensure safe operation.

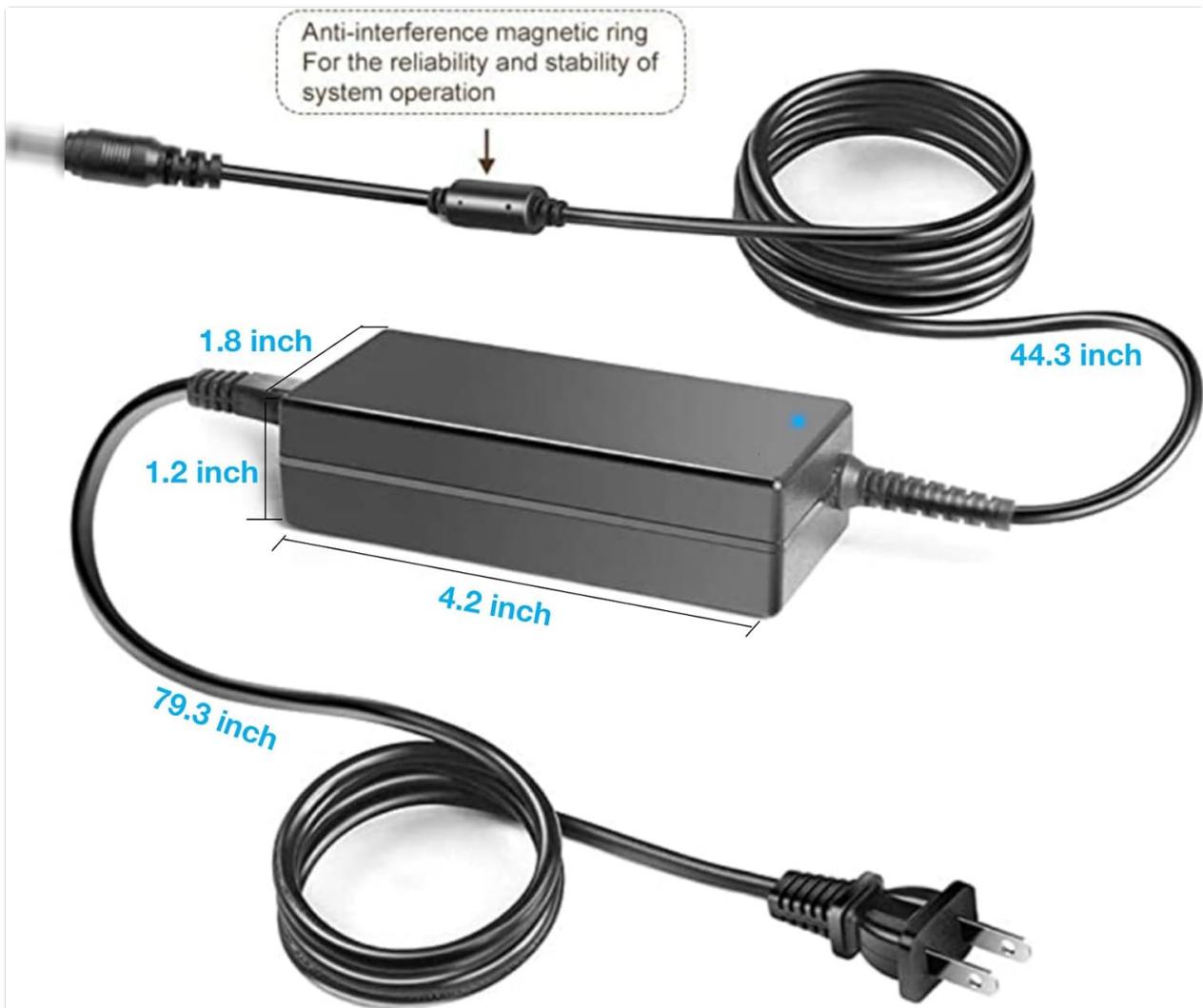


Image 1.1: Kircuit AC/DC Adapter with key dimensions. The adapter measures approximately 4.2 inches in length, 1.8 inches in width, and 1.2 inches in height. The DC output cable is about 44.3 inches long, and the AC input cable is about 79.3 inches long. An anti-interference magnetic ring is present on the DC cable for system stability.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Indoor Use Only:** This adapter is designed for indoor use. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper Ventilation:** Ensure adequate ventilation around the adapter during use. Do not cover it or place it in an enclosed space that could restrict airflow.
- **Protection Features:** This adapter includes Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) to safeguard your devices. However, do not intentionally bypass these features.
- **Avoid Damage:** Do not use the adapter if the cord or plug is damaged. Do not attempt to open or repair the adapter yourself. Refer all servicing to qualified personnel.
- **Correct Voltage:** Only connect the adapter to power outlets that provide the specified input voltage (100-240VAC).
- **Keep Away from Children:** Store the adapter out of reach of children.

## 3. SETUP

Follow these steps to properly set up your Kircuit AC/DC Adapter:

1. **Unpack the Adapter:** Carefully remove the AC/DC adapter and its power cord from the packaging.
2. **Connect AC Power Cord:** Insert the AC power cord into the input port of the adapter. Ensure it is firmly seated.
3. **Connect to Device:** Plug the DC output connector (barrel connector) of the adapter into the DC input port of your compatible device (e.g., BROWEY PN-C600 Portable Power Station).
4. **Plug into Outlet:** Insert the AC power cord's plug into a standard wall electrical outlet.



Image 3.1: Close-up view of the AC power cord plug, which connects to a standard wall outlet.



Image 3.2: The Kircuit AC/DC Adapter connected and plugged into a wall outlet, ready for use.

## 4. OPERATING INSTRUCTIONS

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Once the adapter is properly set up and connected to both the power outlet and your device, it will begin to supply power. The operation is automatic.

- **Power Supply:** The adapter will provide continuous DC power to operate your device.
- **Battery Charging:** If your device has a rechargeable battery, the adapter will initiate charging. Refer to your device's manual for specific charging indicators and times.
- **Indicator Light:** The adapter may feature an LED indicator light (typically blue) to show that it is receiving power and operating correctly.

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your Kircuit AC/DC Adapter, follow these maintenance guidelines:

- **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:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid tightly coiling the cables to prevent damage.
- **Cable Inspection:** Periodically inspect the AC and DC cables for any signs of wear, cuts, or fraying. If any damage is observed, discontinue use immediately and replace the adapter.
- **Avoid Stress:** Do not pull on the cables to disconnect the adapter. Always grasp the plug or connector directly.

## 6. TROUBLESHOOTING

If you encounter issues with your Kircuit AC/DC Adapter, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
No power output / Device not charging	<ul style="list-style-type: none"><li>• Adapter not plugged in correctly.</li><li>• Wall outlet is not active.</li><li>• Cables are damaged.</li><li>• Device is incompatible or faulty.</li></ul>	<ul style="list-style-type: none"><li>• Ensure all connections are secure.</li><li>• Test the wall outlet with another device.</li><li>• Inspect cables for damage; replace adapter if damaged.</li><li>• Verify device compatibility and check device's power input.</li></ul>
Adapter is overheating	<ul style="list-style-type: none"><li>• Poor ventilation.</li><li>• Overload (device drawing too much power).</li><li>• Internal fault.</li></ul>	<ul style="list-style-type: none"><li>• Ensure adapter is in a well-ventilated area.</li><li>• Confirm device power requirements match adapter output.</li><li>• Discontinue use and contact support if overheating persists.</li></ul>
Intermittent power supply	<ul style="list-style-type: none"><li>• Loose connection.</li><li>• Damaged cable or connector.</li></ul>	<ul style="list-style-type: none"><li>• Check all connections for tightness.</li><li>• Inspect cables and connectors for damage.</li></ul>

If the problem persists after attempting these solutions, please contact the seller or manufacturer for further assistance.

## 7. SPECIFICATIONS

- **Brand:** Kircuit
- **Manufacturer:** Shenzhen Waweis Technology Co., Ltd
- **Model:** AK120WG-2400500W2
- **Input Voltage:** 100-240VAC, 50/60Hz
- **Output Voltage:** 24.0V DC
- **Output Current:** 5.0A

- **Output Power:** 120.0W
- **Connector Type:** Barrel Connector
- **Color:** Black
- **Protection Features:** Over Voltage Protection (OVP), Over Current Protection (OCP), Short Circuit Protection (SCP)
- **Compatible Devices:** BROWEY PN-C600, PNC600 Portable Power Station, GJTL AK120WG-2400500W2

## 8. WARRANTY AND SUPPORT

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For warranty information, please refer to the documentation provided at the time of purchase or contact the seller directly. Kircuit AC adapters are tested and designed to meet the power needs of your device and are typically covered by a manufacturer's warranty against defects in materials and workmanship.

If you require technical support or have questions not covered in this manual, please reach out to the retailer or the manufacturer's customer service department. When contacting support, please have your product model number (AK120WG-2400500W2) and purchase details available.