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iTEKIRO TAC120W24V.NO1

iTEKIRO 120W AC Adapter Charger User Manual

For Inogen One G5 IO-500 and Inogen Rove 6 IO-501 Portable Oxygen Concentrators

INTRODUCTION

This manual provides essential information for the safe and effective use of your iTEKIRO 120W AC Adapter Charger. This adapter is designed to power and charge compatible Inogen portable oxygen concentrators.

Compatibility: This adapter is specifically designed for use with Inogen One G5 (IO-500) and Inogen Rove 6 (IO-501) Portable Oxygen Concentrators. It is also compatible with Inogen BA-502 and BA-501 batteries when used with the concentrator.

Important Note: This is a replacement adapter manufactured by iTEKIRO, not an original Inogen product.

PACKAGE CONTENTS

- iTEKIRO 120W AC Adapter Unit
- UL Listed 3-prong AC Power Cord (6 feet)
- DC Output Power Cord with Right-Angle Connector (6 feet, permanently attached to adapter)



Image: The iTEKIRO 120W AC Adapter unit shown with its detachable 3-prong AC power cord and the integrated DC output power cord.



Image: Illustration highlighting the 6-foot length of both the AC input power cord and the DC output power cord.

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 damage to the product or connected devices.

- Indoor Use Only:** This adapter is designed for indoor use in dry locations. Do not expose to rain, moisture, or extreme temperatures.
- Proper Grounding:** Always use a properly grounded electrical outlet. The 3-prong AC power cord is designed for safety.
- Avoid Overloading:** Do not overload electrical outlets or extension cords.
- Ventilation:** Ensure adequate ventilation around the adapter during use. Do not cover the adapter.
- Damage Inspection:** Do not use the adapter if the cords or the adapter unit itself appear damaged.
- No Disassembly:** Do not attempt to open or repair the adapter. Risk of electric shock.
- Children and Pets:** Keep the adapter and cords out of reach of children and pets.



Image: Diagram illustrating the built-in safety protections of the adapter, including overload, short circuit, over voltage, over temperature, and over current protection.

SETUP

- Connect the AC Power Cord:** Insert the 3-prong end of the detachable AC power cord into the AC input port on the iTEKIRO adapter unit. Ensure it is firmly seated.



Image: Close-up view of the 3-prong AC power cord being connected to the corresponding input on the adapter unit.

2. **Connect to Power Outlet:** Plug the other end of the 3-prong AC power cord into a standard, grounded electrical wall outlet (AC 100-240V, 50/60Hz).

Once connected, the LED power indicator on the adapter unit should illuminate, indicating that the adapter is receiving power.



Image: The adapter unit showing the illuminated LED power indicator light.

3. **Connect to Oxygen Concentrator:** Carefully insert the right-angle DC output connector (elbow tip) into the power input port of your Inogen One G5 or Inogen Rove 6 Portable Oxygen Concentrator. The right-angle design helps reduce stress on the connector and device port.

OPERATING INSTRUCTIONS

Once properly connected, the iTEKIRO AC Adapter will automatically begin to power your Inogen portable oxygen concentrator and charge its battery. The adapter provides a stable 24VDC 5A output, up to 120W.

- The adapter can power your device and charge the battery simultaneously, whether the concentrator is turned on or off.
- Monitor your concentrator's display for battery charging status.
- The extra-long 6-foot AC and 6-foot DC cords provide flexibility in placement.

MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your iTEKIRO AC Adapter.

- **Cleaning:** Disconnect the adapter from the power outlet and your device before cleaning. Use a soft, dry cloth to wipe the adapter unit. 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 cords to prevent damage.
- **Cord Inspection:** Periodically inspect the AC and DC cords for any signs of fraying, cuts, or damage. If damage is observed, discontinue use immediately and replace the adapter.
- **Connector Care:** Ensure the DC connector tip remains clean and free of debris.

TROUBLESHOOTING

If you encounter issues with your iTEKIRO AC Adapter, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Adapter not powering device or charging battery.	<ul style="list-style-type: none">• Loose connection.• No power from wall outlet.• Damaged adapter or cords.• Incompatible device.	<ul style="list-style-type: none">• Ensure all connections (AC cord to adapter, AC cord to wall, DC cord to device) are secure.• Test the wall outlet with another device.• Inspect adapter and cords for visible damage. Discontinue use if damaged.• Verify your oxygen concentrator model is Inogen One G5 (IO-500) or Inogen Rove 6 (IO-501).

Problem	Possible Cause	Solution
LED power indicator is off.	<ul style="list-style-type: none"> • No power from wall outlet. • Loose AC cord connection. • Internal adapter fault. 	<ul style="list-style-type: none"> • Check wall outlet. • Ensure AC cord is fully inserted into both the adapter and the wall outlet. • If the issue persists after checking connections and power source, the adapter may be faulty. Contact support.
Adapter feels excessively hot.	<ul style="list-style-type: none"> • Poor ventilation. • Overload. • Internal fault. 	<ul style="list-style-type: none"> • Ensure the adapter is in an open area with good airflow. Do not cover it. • Verify the connected device is compatible and not drawing excessive power. • If overheating continues, discontinue use and contact support.

SPECIFICATIONS

Brand	iTEKIRO
Model Number	TAC120W24V.NO1 (Internal Identifier)
Input Voltage	AC 100-240V, 50/60Hz (Worldwide Compatible)
Output Voltage / Current	DC 24V / 5A
Maximum Wattage	120W
Connector Type	Right-Angle Barrel Connector (DC Output)
AC Power Cord Length	6 feet (UL Listed 3-prong)
DC Power Cord Length	6 feet
Dimensions (Adapter Unit)	6.50" x 2.56" x 1.57"
Weight (Adapter Unit)	Approximately 26.60 oz
Manufacturer	EPMUSA
Compatible Devices	Inogen One G5 (IO-500), Inogen Rove 6 (IO-501) Portable Oxygen Concentrators

WARRANTY AND SUPPORT

iTEKIRO products are designed for reliability. For specific warranty details, please refer to the documentation included with your purchase or visit the official iTEKIRO website.

If you have any questions, concerns, or require technical assistance, please contact iTEKIRO customer support. Contact information is typically available on the product packaging or the manufacturer's website.

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This manual is for informational purposes only. Specifications are subject to change without notice.