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UPBRIGHT UpBright Global AC/DC Adapter for Gooloo Discovery P500 P600

UpBright AC/DC Adapter User Manual

For Gooloo Discovery P500 and P600 Portable Power Stations

1. Introduction

This manual provides essential information for the safe and effective use of your UpBright Global AC/DC Adapter. This adapter is specifically designed to be compatible with Gooloo Discovery P500 (500W/520Wh) and Gooloo Discovery P600 (600W/626Wh) Portable Power Stations, serving as a reliable power supply and charger.
Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage to the adapter or your power station.

2. Safety Information

- **Input Voltage:** Ensure the adapter is connected to a power outlet within the specified input voltage range of 100-240VAC, 50/60Hz.
- **Environment:** Use the adapter in a dry, well-ventilated area. Avoid exposure to moisture, rain, or extreme temperatures.
- **Cable Integrity:** Regularly inspect the power cords for any signs of damage. Do not use if cables are frayed or damaged.
- **Ventilation:** Do not cover the adapter during use, as this can lead to overheating.
- **Disassembly:** Do not attempt to open or repair the adapter. Refer all servicing to qualified personnel.
- **Compatibility:** Use this adapter only with compatible Gooloo Discovery P500 and P600 Portable Power Stations. Using it with incompatible devices may cause damage.

3. Package Contents

Verify that your package contains the following items:

- UpBright Global AC/DC Adapter
- AC Power Cord (suitable for your region)



Image 1: The UpBright AC/DC Adapter with its attached DC output cable and a detachable AC input power cord. The adapter is black and rectangular, with a barrel connector on one end of the DC cable and a standard 2-pin AC plug on the other end of the AC cord.

4. Product Overview

The UpBright AC/DC Adapter is designed to efficiently charge your Gooloo Discovery Portable Power Station. It features built-in protection mechanisms to ensure safe charging.



Image 2: This image displays the UpBright AC/DC Adapter alongside a Gooloo Portable Power Station 500W box and a Gooloo P600 Portable Power Station. The adapter is shown to be compatible with these power station models.

Key Features:

- **Global Compatibility:** Supports 100-240VAC input voltage for worldwide use.
- **Safety Protections:** Includes Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP).
- **Durable Design:** Constructed for reliable and long-lasting performance.

5. Setup and Connection

Follow these steps to connect your UpBright AC/DC Adapter to your Gooloo Discovery Portable Power Station:

1. **Connect AC Power Cord:** Insert the 2-pin end of the AC power cord into the AC input port of the UpBright adapter.
2. **Connect to Power Station:** Locate the DC input port on your Gooloo Discovery P500 or P600 Portable Power Station. Insert the barrel connector from the adapter's DC output cable into this port.
3. **Plug into Wall Outlet:** Plug the AC power cord into a standard wall outlet (100-240VAC).



Image 3: This image illustrates various types of AC power cords (US, EU, UK, AU) that may be supplied with the adapter, ensuring compatibility with different regional power outlets.

6. Operation

Once connected, the adapter will begin charging your Gooloo Discovery Portable Power Station. The power station's display will typically indicate the charging status. No additional user interaction is required for the adapter itself during the charging process.

- **Charging Indicator:** Refer to your Gooloo Discovery Power Station's user manual for details on its charging indicators.
- **Charging Time:** Charging time will vary depending on the power station's battery level and model (P500 or P600).

7. Protection Features

The UpBright AC/DC Adapter incorporates several safety features to protect both the adapter and your connected device:

- **OVP (Over Voltage Output Protection):** Prevents the output voltage from exceeding a safe level, protecting your power station from damage due to excessive voltage.
- **OCP (Over Current Output Protection):** Limits the output current to prevent damage from excessive current draw, safeguarding both the adapter and the power station.
- **SCP (Short Circuit Output Protection):** Automatically shuts down the adapter in case of a short circuit, preventing electrical hazards and damage.

8. Maintenance

To ensure the longevity and optimal performance of your UpBright AC/DC Adapter, follow these simple 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.
- **Cable Care:** Avoid bending or kinking the cables sharply. Do not place heavy objects on the cables.

9. Troubleshooting

If you encounter issues with your UpBright AC/DC Adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Adapter not charging power station	Loose connection, no power from outlet, damaged cable, incompatible device.	Check all connections. Try a different wall outlet. Inspect cables for damage. Ensure compatibility with Gooloo P500/P600.
Adapter is hot to the touch	Normal operation (slight warmth), poor ventilation, overload.	Ensure adequate ventilation around the adapter. If excessively hot, disconnect and allow to cool. If problem persists, discontinue use.
Power station not recognizing adapter	Incorrect port, power station issue.	Ensure the barrel connector is fully inserted into the correct DC input port on the power station. Consult the Gooloo power station manual.

10. Specifications

Feature	Detail
Input Voltage	100-240VAC, 50/60Hz
Output Current	5 Amps
Connector Type	Barrel Connector (DC Output), 2-Pin (AC Input)
Protection Features	OVP, OCP, SCP (Over Voltage, Over Current, Short Circuit Protection)
Product Dimensions	Approximately 6 x 3 x 2 inches
Item Weight	Approximately 13 ounces
Compatibility	Gooloo Discovery P500 (500W/520Wh), Gooloo Discovery P600 (600W/626Wh) Portable Power Stations

11. Warranty and Support

Your UpBright AC/DC Adapter is covered by the following:

- **Refund Policy:** 30 days refund period from the date of purchase.
- **Exchange Policy:** 24 months exchange period for defective units.

For warranty claims or technical support, please contact your retailer or visit the official UpBright website for assistance. Please have your purchase details and product model information ready.

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