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Acdctek D320 FY0631503200

Acdctek AC/DC Adapter User Manual

For 4Patriots Patriot Power Sidekick D320 Portable Station and Compatible Devices

1. INTRODUCTION

Thank you for choosing the Acdctek AC/DC Adapter. This manual provides essential information for the safe and efficient use of your adapter, designed for compatibility with devices such as the 4Patriots Patriot Power Sidekick D320, 299Wh Portable Station, and 300W Mini Solar Generator LifePO4 Battery FY0631503200 Fuyuan Power. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety precautions:

- **Over Voltage Output Protection (OVP):** The adapter is designed to protect connected devices from excessive voltage output.
- **Over Current Output Protection (OCP):** The adapter includes safeguards against excessive current output, protecting both the adapter and your device.
- **Short Circuit Output Protection (SCP):** Built-in protection against short circuits ensures safety during operation.
- **Input Voltage:** This adapter is designed for an input voltage range of 100-240V AC, 50-60Hz. Do not use it with incompatible power sources.
- **Compatibility Check:** Always double-check your device's output requirements and the adapter's connector dimensions to ensure full compatibility before connecting.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Do not disassemble or attempt to repair the adapter. Refer servicing to qualified personnel.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The Acdctek AC/DC Adapter consists of the main adapter unit, an AC input power cord, and a DC output

cable with a round connector. It converts alternating current (AC) from a wall outlet to direct current (DC) required by your portable power station or similar compatible device.



Figure 3.1: Complete view of the Acctest AC/DC Adapter, including the main unit, AC input cable with a US plug, and DC output cable with a round connector.

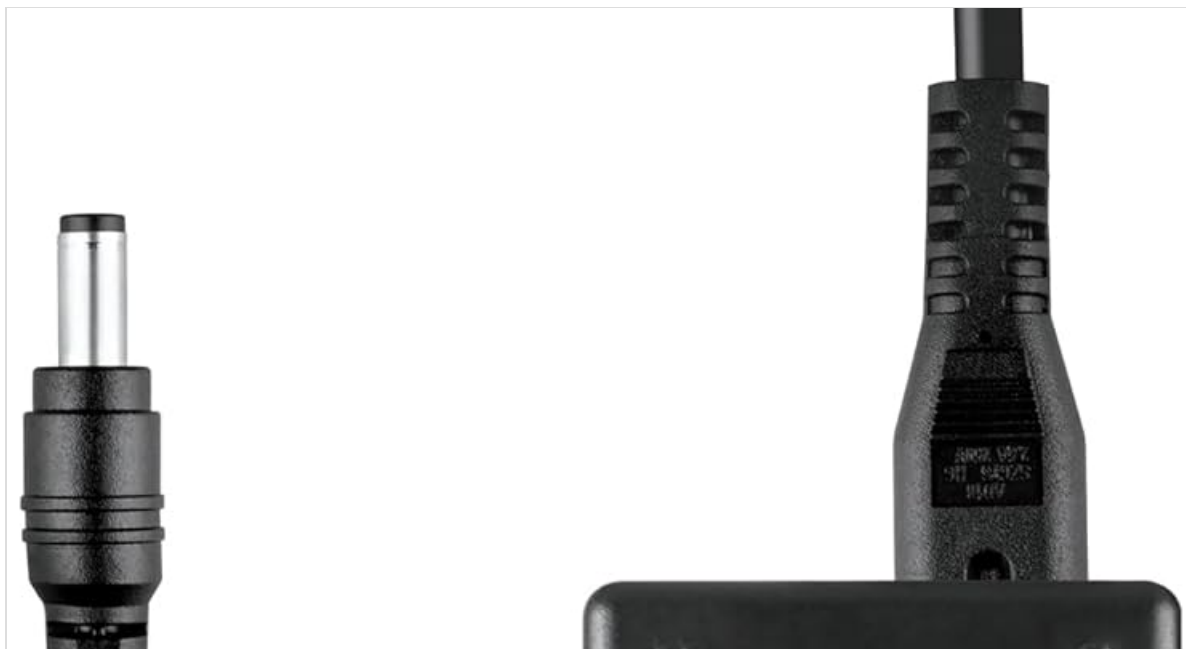




Figure 3.2: Top view of the adapter unit, showing input voltage (100-240V), frequency (50-60Hz), and safety warnings.





Figure 3.3: Close-up of the round DC output connector, which plugs into your compatible device.

4. SETUP INSTRUCTIONS

Follow these steps to set up your AC/DC adapter:

1. **Connect AC Input Cable:** Take the AC input power cord and firmly plug its adapter-side connector into the AC input port on the main adapter unit.
2. **Connect to Power Outlet:** Plug the other end of the AC input power cord (the US plug) into a standard wall power outlet (100-240V AC, 50-60Hz).
3. **Connect to Device:** Carefully insert the round DC output connector from the adapter's DC cable into the corresponding power input port on your compatible device (e.g., 4Patriots Patriot Power Sidekick D320).
4. **Verify Connection:** Ensure all connections are secure and snug. Avoid forcing connectors.

5. OPERATING INSTRUCTIONS

Once the adapter is properly set up and connected to a power source and your device:

- The adapter will automatically begin supplying power to or charging the connected device.
- Refer to your device's user manual for specific charging indicators or power status information.
- When charging is complete or when the device is not in use, disconnect the adapter from both the device and the wall outlet.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your adapter:

- **Cleaning:** Use a soft, dry cloth to clean the adapter. 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 kinking the cables sharply. Store them loosely coiled to prevent damage.
- **Inspection:** Periodically inspect the adapter and cables for any signs of damage, such as frayed wires or cracked casings. Discontinue use if damage is found.

7. TROUBLESHOOTING

If you encounter issues with your adapter, refer to the following table:

Problem	Possible Cause	Solution
No power output to device	<ul style="list-style-type: none"> • AC input cable not securely connected. • Wall outlet is not functional. • DC output connector not fully inserted. • Incompatible device. 	<ul style="list-style-type: none"> • Ensure AC cable is firmly plugged into adapter and wall outlet. • Test wall outlet with another device. • Push DC connector firmly into device's input port. • Verify device's power requirements and connector type match the adapter.
Adapter feels excessively hot	<ul style="list-style-type: none"> • Poor ventilation. • Overload or internal fault. 	<ul style="list-style-type: none"> • Ensure adapter is in an open area with good airflow. • Do not cover the adapter during use. • If overheating persists, disconnect immediately and contact support.

8. SPECIFICATIONS

Model	FY0631503200
Input Voltage	100-240V AC, 50-60Hz
Output	Compatible with 4Patriots Patriot Power Sidekick D320, 299Wh Portable Station, 300W Mini Solar Generator LifePO4 Battery
Protection Features	OVP (Over Voltage Protection), OCP (Over Current Protection), SCP (Short Circuit Protection)
Connector Type	Round DC Connector
Manufacturer	Acdctek

9. SUPPORT INFORMATION

For technical support, warranty inquiries, or further assistance, please contact the manufacturer, Acdctek, through their official channels or the retailer from whom the product was purchased.