

APC BR1500G

APC Back-UPS Pro 1500VA User Manual

Model: BR1500G | Brand: APC

INTRODUCTION

The APC Back-UPS Pro 1500VA is an Uninterruptible Power Supply (UPS) designed to provide guaranteed power and surge protection for your electronic devices. It safeguards wireless networks, computers, external hard drives, routers, and other sensitive electronics from power outages, damaging power surges, and voltage fluctuations. This unit ensures your critical equipment remains operational and your data is protected during unexpected power events.



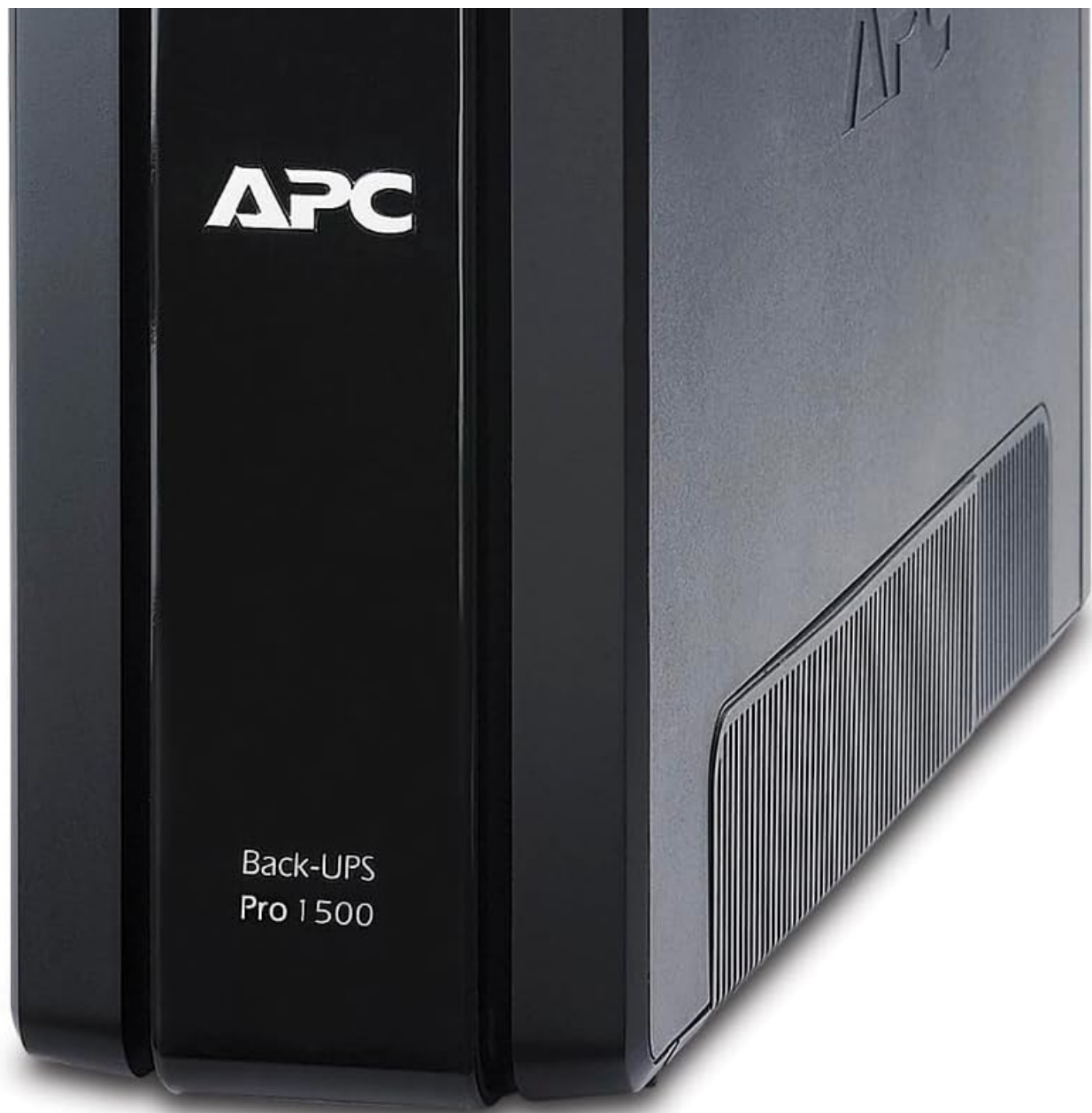


Figure 1: Front view of the APC Back-UPS Pro 1500VA, showing the LCD display and control buttons.

SETUP

Follow these steps for initial setup of your UPS unit:

1. **Unpacking:** Carefully remove the UPS from its packaging. It is heavy, so lift with care.
2. **Battery Connection:** The battery may be disconnected for shipping. Refer to the quick start guide for instructions on connecting the internal battery.
3. **Placement:** Place the UPS in a cool, dry location away from direct sunlight and excessive heat. Ensure adequate ventilation around the unit.
4. **Connecting Devices:**
 - Connect critical devices (e.g., computer, monitor, router) to the **Battery Backup & Surge Protection** outlets. These outlets provide power during outages.
 - Connect non-critical devices (e.g., printer, scanner) to the **Surge Protection Only** outlets. These outlets protect against surges but do not provide battery power.
5. **Power Connection:** Plug the UPS power cord into a grounded wall outlet.

6. **Initial Charge:** Allow the UPS to charge for at least 8-10 hours before connecting any devices to ensure full battery capacity.
7. **Software Installation:** Install the PowerChute Personal Edition software (CD included or download from APC website) on your computer. This software enables automatic shutdown during extended outages and provides energy management features.

Add additional
external battery
(BR24BPG)
for more runtime

10 NEMA 5-15R
outlets



Figure 2: Rear panel of the UPS, highlighting the battery backup and surge-only outlets, and the external battery pack connection port.

OPERATION

The APC Back-UPS Pro operates automatically to protect your devices. During normal operation, it provides clean, consistent power. In the event of a power outage or significant voltage fluctuation, the unit will seamlessly switch to battery power.

- **Automatic Voltage Regulation (AVR):** The UPS features AVR, which instantly corrects low or high voltage fluctuations without discharging the battery. This preserves battery runtime for when it's truly needed during a complete power loss.
- **LCD Display:** The front LCD display provides real-time status updates, including battery charge level, utility power status, and estimated runtime.
- **Audible Alarms:** The UPS will emit audible alarms to notify you of power events, such as switching to battery power or low battery. These alarms can often be configured or muted via the PowerChute software.

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Video 1: An overview of the APC Back-UPS Pro, detailing its features and benefits, including power protection and battery backup capabilities.

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Video 2: This video explains the value of an APC UPS in a smart home environment, emphasizing continuous connectivity during power interruptions.



Figure 3: The UPS integrated into a workspace, providing power to a laptop and printer.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your UPS. The primary maintenance task is battery replacement.

- **User-Replaceable Battery:** The APC Back-UPS Pro features a user-replaceable battery (model APCRBC124, sold separately). This allows you to extend the life of your UPS without needing to replace the entire unit.
- **Battery Life:** Batteries typically last 3-5 years depending on usage and environmental conditions. The PowerChute software can provide alerts when the battery needs replacement.
- **Replacement Procedure:** To replace the battery, ensure the UPS is turned off and disconnected from the wall outlet. Follow the specific instructions provided in the user manual or the video demonstration for safe and proper battery replacement. The battery is hot-swappable, meaning operation is not disrupted during replacement if performed correctly.

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Video 3: This overview video demonstrates the user-replaceable battery feature of the APC Back-UPS Pro, showing how to access and swap the battery for continued operation.

TROUBLESHOOTING

If you encounter issues with your APC Back-UPS Pro, refer to the following common problems and solutions:

- **UPS Not Turning On:** Ensure the power cord is securely plugged into a live wall outlet and the UPS. Check the circuit breaker on the back of the unit and reset if tripped.
- **Short Runtime:** The battery may not be fully charged, or it may be nearing the end of its service life. Allow ample charging time or consider replacing the battery. Overloading the UPS with too many devices can also reduce runtime.
- **Constant Beeping:** This usually indicates a power event (e.g., on battery, low battery, overload). Check the LCD display for specific error codes or messages. Refer to the PowerChute software for detailed event logs.
- **Fan Noise:** The fan may run during initial charging or during extended power outages to cool the unit. This is normal. If the fan noise is excessive or constant during normal operation, ensure adequate ventilation and check for any obstructions.
- **"Bad Battery" Warning:** If the UPS displays a "Bad Battery" warning after replacing the battery, allow some time (e.g., an hour or more) for the new battery to settle and be recognized by the system. If the warning persists, the new battery may be faulty, or there might be an issue with the UPS itself.

For more complex issues, consult the full user manual or contact APC customer support.

SPECIFICATIONS

Feature	Specification
Model Number	BR1500G
Capacity	1500 VA / 865W
Product Dimensions (D x W x H)	15 x 4.4 x 11.9 inches
Item Weight	26.6 pounds
Output Voltage	230 Volts (Nominal)
Outlets	10 (5 Battery Backup & Surge, 5 Surge Only)
Battery Type	Lead Acid (User-replaceable: APCRBC124)

Feature	Specification
Automatic Voltage Regulation (AVR)	Yes
Data Line Protection	Network (RJ-45) / Coax
Power Cord Length	6 feet
Country of Origin	Vietnam

WARRANTY AND SUPPORT

Your APC Back-UPS Pro 1500VA comes with a manufacturer's warranty. Please refer to the warranty documentation included with your product for specific terms and conditions. Typically, APC offers a one-year manufacturer warranty.

What's in the Box:

- APC Back-UPS Pro 1500VA Unit
- CD with PowerChute Software
- USB Cable
- User Manual (this document and a PDF version)

For additional support, technical data, or to download the latest PowerChute software, please visit the official APC website or refer to the comprehensive [User Guide \(PDF\)](#) or [User Manual \(PDF\)](#).