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APC BR700G

APC Back-UPS Pro 700VA User Manual

Model: BR700G | Brand: APC

1. INTRODUCTION

The APC Back-UPS Pro 700VA (Model BR700G) is an Uninterruptible Power Supply (UPS) designed to provide reliable battery backup and surge protection for your electronic devices. This unit ensures continuous power during outages and protects against damaging power fluctuations, making it ideal for home and office computer systems, networking equipment, and other sensitive electronics.

It features Automatic Voltage Regulation (AVR) to maintain stable voltage levels, user-replaceable batteries for extended product life, and multiple outlets for comprehensive protection.

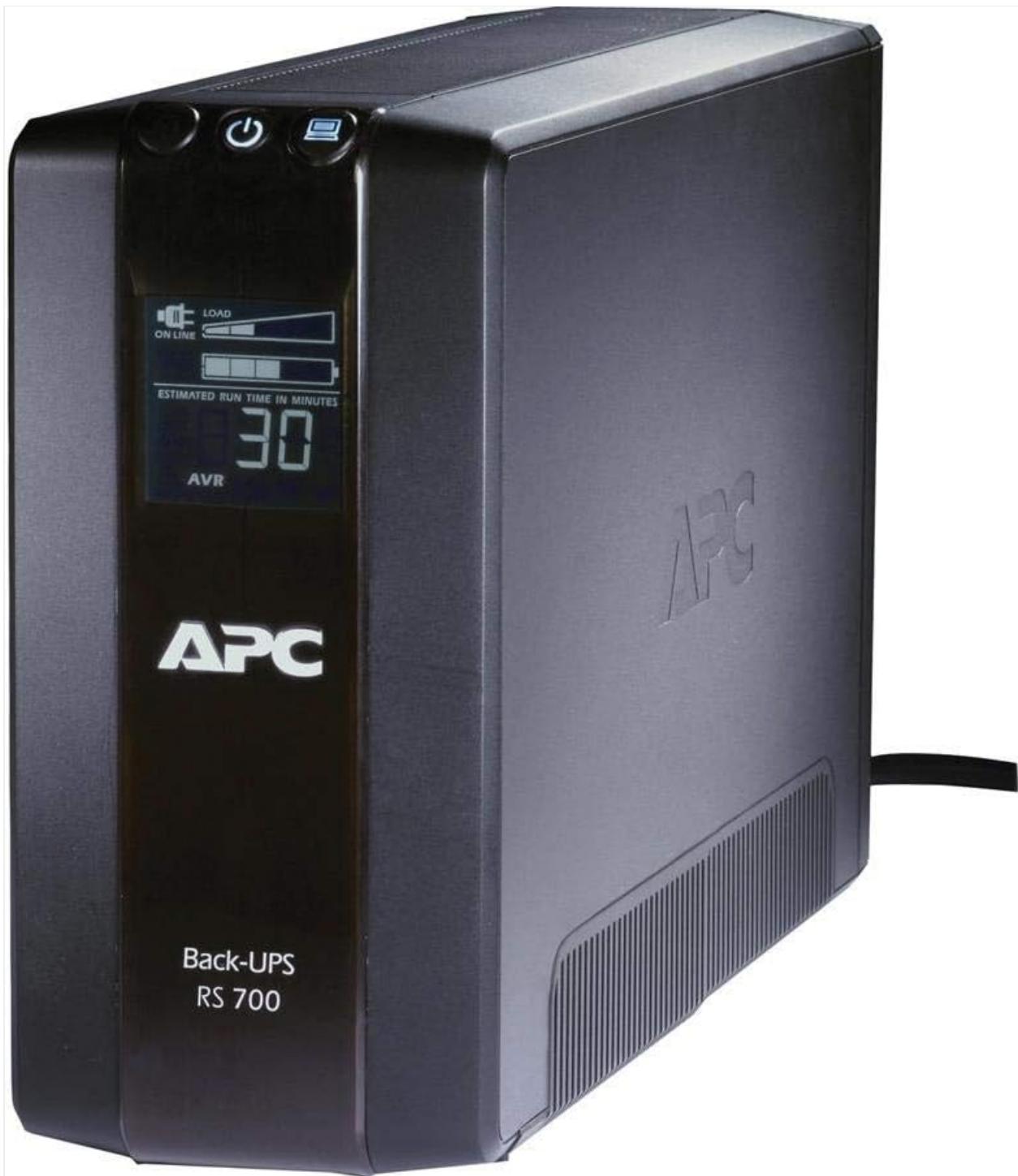


Figure 1: Front-side view of the APC Back-UPS Pro 700VA (BR700G).

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the UPS. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not open the UPS enclosure. There are no user-serviceable parts inside except for the battery.
- Connect the UPS to a grounded outlet only.
- Do not use the UPS in direct sunlight, near heat sources, or in excessively humid environments.
- Ensure proper ventilation around the UPS. Do not block ventilation openings.
- Disconnect the UPS from the power outlet before performing any maintenance or battery replacement.
- The battery contains hazardous materials. Dispose of batteries properly according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- APC Back-UPS Pro 700VA (BR700G) Unit
- USB Cable
- User Manual (this document)

4. SETUP

Follow these steps to set up your APC Back-UPS Pro 700VA:

1. **Unpack the UPS:** Carefully remove the UPS and all accessories from the packaging.
2. **Connect the Battery:** The battery may be disconnected for shipping. Refer to the battery installation instructions (usually located on the unit or a separate quick-start guide) to connect it properly.
3. **Position the UPS:** Place the UPS on a flat, stable surface away from direct sunlight, excessive heat, or moisture. Ensure adequate airflow around the unit.
4. **Connect to Wall Outlet:** Plug the UPS power cord directly into a grounded two-pole, three-wire wall receptacle. Avoid using extension cords or surge strips.
5. **Connect Devices:**
 - Plug critical equipment (computer, monitor, external hard drives, wireless router) into the **Battery Backup & Surge Protected** outlets. These outlets provide power during outages.
 - Plug non-critical equipment (printer, scanner) into the **Surge Only** outlets. These outlets provide surge protection but no battery backup.

Communication ports and outlets



Figure 2: Rear view of the UPS showing communication ports and outlets.

6. **Connect Data Lines (Optional):** For network and coaxial line protection, connect your network cable (RJ45) and coaxial cable through the designated "IN" and "OUT" ports on the UPS.
7. **Connect USB (Optional):** Connect the provided USB cable from the UPS "Data Port" to your computer's USB port for power management software communication.

5. OPERATING INSTRUCTIONS

Turning On/Off: Press the power button on the front of the UPS to turn it on or off.

Indicators: The front panel features an LCD display that provides real-time information about the UPS status, including load level, battery charge, estimated runtime, and Automatic Voltage Regulation (AVR) status.



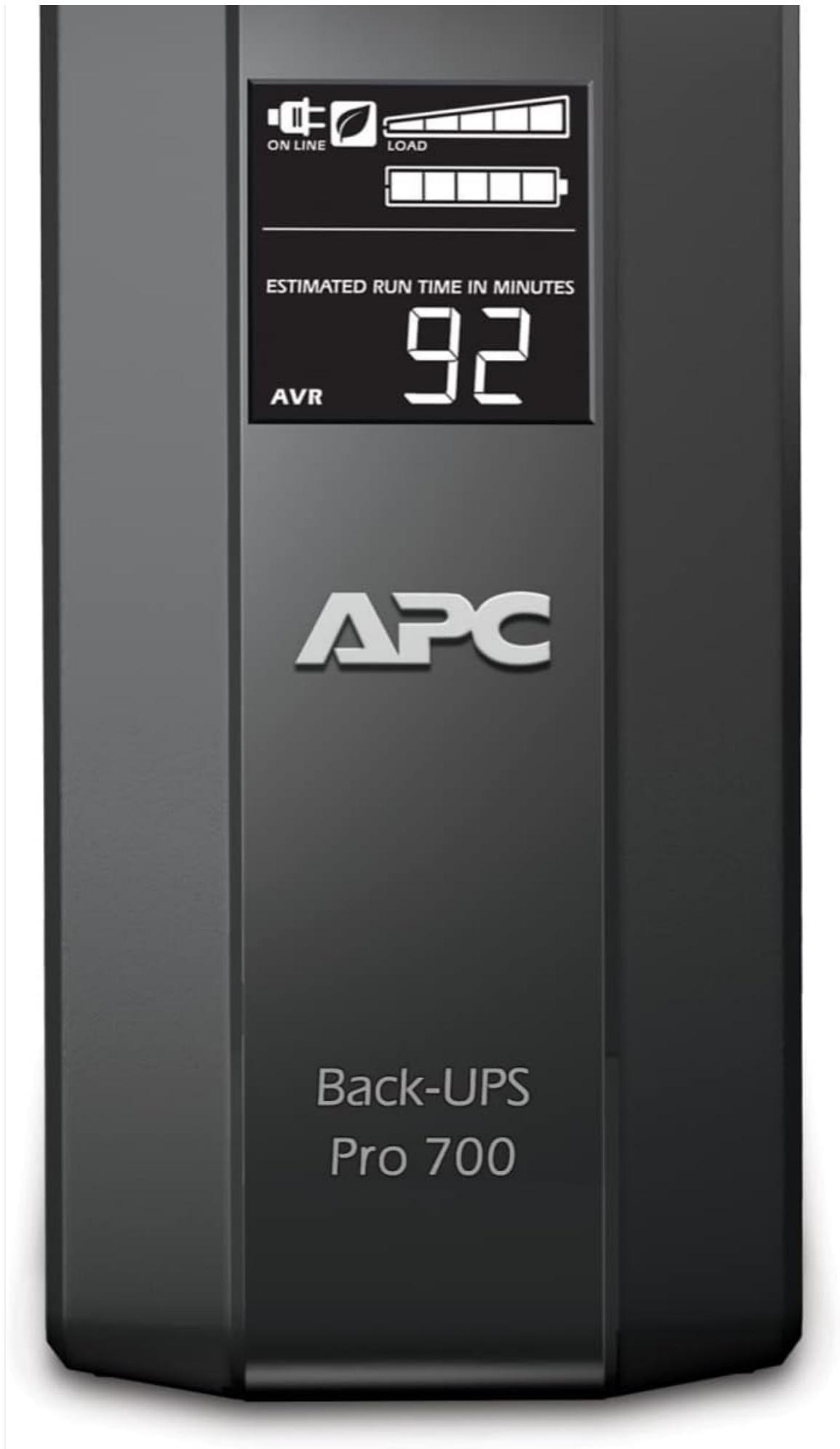


Figure 3: Front view of the UPS with LCD display.

Automatic Voltage Regulation (AVR): The UPS automatically corrects minor voltage fluctuations (brownouts and

overvoltages) without switching to battery power, preserving battery life for actual power outages.

Audible Alarms: The UPS emits audible alarms to indicate various conditions such as on-battery operation, low battery, or overload. Refer to the troubleshooting section for alarm interpretations.

6. FEATURES

- **700VA / 420W Battery Backup:** Provides sufficient power to keep essential electronics running during power interruptions.
- **6 Total Outlets:** Includes 3 outlets for battery backup and surge protection, and 3 outlets for surge protection only. This allows for flexible connection of critical and non-critical devices.
- **Automatic Voltage Regulation (AVR):** Maintains safe voltage conditions by automatically adjusting high and low voltages to stable levels, protecting connected equipment and extending battery life.
- **User Replaceable Battery:** The battery is designed to be user-replaceable, allowing for easy maintenance and extending the overall lifespan of the UPS unit.
- **Network Dataline Protection:** Safeguards your network connection from surges and spikes traveling through Ethernet cables.
- **Coaxial Protection:** Offers protection for coaxial cable connections, such as those used for cable modems or set-top boxes.
- **USB Communication Port:** Enables connection to a computer for advanced power management, monitoring, and automatic shutdown features via software like PowerChute.



Figure 4: Key features of the APC Back-UPS Pro 700VA.

7. MAINTENANCE

- **Battery Replacement:** The battery typically lasts 3-5 years. When the battery needs replacement, the UPS will indicate this via an alarm or display message. Always use genuine APC replacement batteries. Disconnect the UPS from the wall outlet before replacing the battery.

- Cleaning:** Periodically clean the exterior of the UPS with a dry cloth. Do not use liquid cleaners or solvents. Ensure ventilation openings are free from dust and debris.
- Battery Self-Test:** The UPS performs automatic self-tests. You can also initiate a manual self-test by pressing and holding the power button for a few seconds (refer to the full user guide for specific instructions).

8. TROUBLESHOOTING

If you encounter issues with your UPS, refer to the table below for common problems and solutions. For more detailed troubleshooting, consult the full User Manual PDF linked in the Support section.

| Problem | Possible Cause | Solution |
|-------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| UPS does not turn on. | Battery not connected; UPS not plugged in; Overload. | Ensure battery is connected. Plug UPS into a live wall outlet. Reduce load by unplugging non-essential devices. |
| UPS beeps continuously. | On battery; Low battery; Overload. | Save work and shut down computer. Allow battery to recharge. Reduce connected load. |
| "Building Wiring Fault" indicator is lit. | Wiring problem in wall outlet (e.g., missing ground). | Consult a qualified electrician to inspect the building wiring. |

9. SPECIFICATIONS

| Attribute | Value |
|-----------------------|------------------------------------------|
| Model Number | BR700G |
| Capacity | 700VA / 420W |
| Input Voltage | 120 Volts |
| Product Dimensions | 17.32 x 10.08 x 5.67 inches |
| Item Weight | 15.76 pounds |
| Battery Type | Lead Acid (1 x 12V included) |
| Typical Recharge Time | 12 hours |
| Outlets | 6 total (3 Battery Backup, 3 Surge Only) |

10. WARRANTY AND SUPPORT

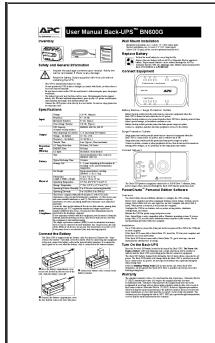
For detailed warranty information and technical support, please refer to the official APC website or the comprehensive user guides provided below.

- [User Manual \(PDF\)](#)
- [User Guide \(PDF\)](#)

APC offers protection plans for extended coverage. Please check with your retailer for available options.



Related Documents - BR700G



[APC Back-UPS BN600G User Manual](#)

User manual for the APC Back-UPS BN600G Uninterruptible Power Supply (UPS), providing safety information, specifications, installation, operation, troubleshooting, and warranty details.