

APC BR900MI

APC Back-UPS Pro BR900MI User Manual

Uninterruptible Power Supply (UPS) 900VA

1. INTRODUCTION

The APC Back-UPS Pro BR900MI is designed to provide reliable battery backup and surge protection for your valuable electronic equipment, including computer systems, networks, external storage devices, and game consoles. This unit ensures continuous operation during power outages and protects against harmful power surges and fluctuations.

Key features include:

- Guaranteed battery backup and surge protection for high-performance systems.
- LCD interface for quick and easy monitoring of utility and UPS conditions.
- Automatic Voltage Regulation (AVR) to correct voltage fluctuations without using battery power.
- Six IEC battery backup outlets with surge protection.

2. SAFETY INFORMATION

Please read and understand these instructions carefully before installing or operating the Back-UPS Pro BR900MI. Failure to follow these instructions could result in equipment damage or personal injury.

- This UPS is intended for indoor use only.
- Do not operate this UPS in direct sunlight, in contact with fluids, or where there is excessive dust or humidity.
- Connect the UPS power cable directly to a wall outlet. Do not use extension cords or surge protectors.
- Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions.
- Do not dispose of batteries in a fire as they may explode.
- Do not open or mutilate batteries. Released electrolyte is harmful to the skin and eyes.

3. PACKAGE CONTENTS

Verify that all contents are present upon receipt. If any items are missing or damaged, contact your dealer.

- APC Back-UPS Pro BR900MI Uninterruptible Power Supply (UPS) unit

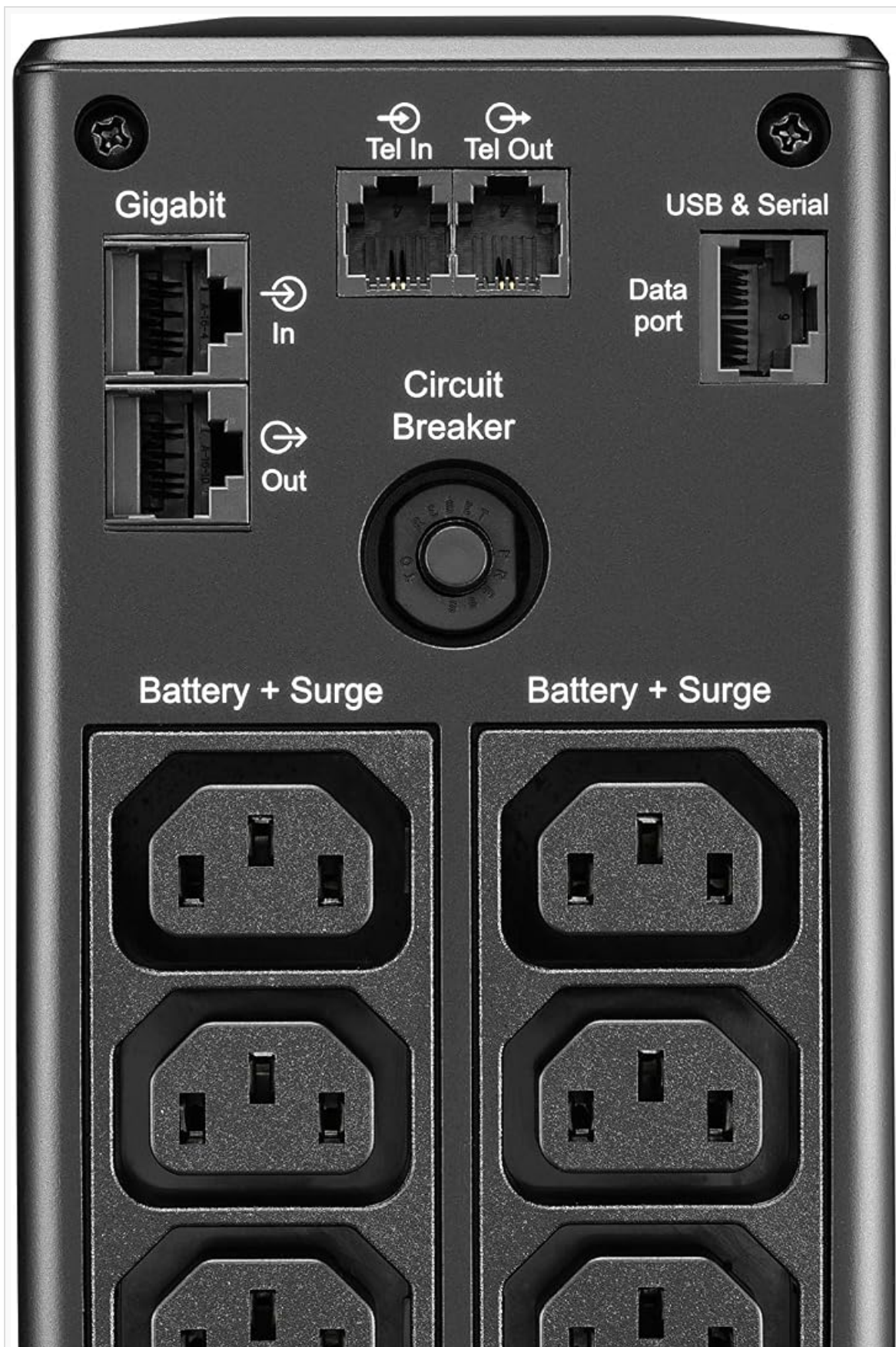
- User Manual
- Shutdown software (typically downloadable or on included media)

4. PRODUCT OVERVIEW





Figure 4.1: Front View of the BR900MI. This image displays the front of the APC Back-UPS Pro BR900MI, highlighting its integrated LCD screen which provides real-time status updates, and the main power button located above the display.



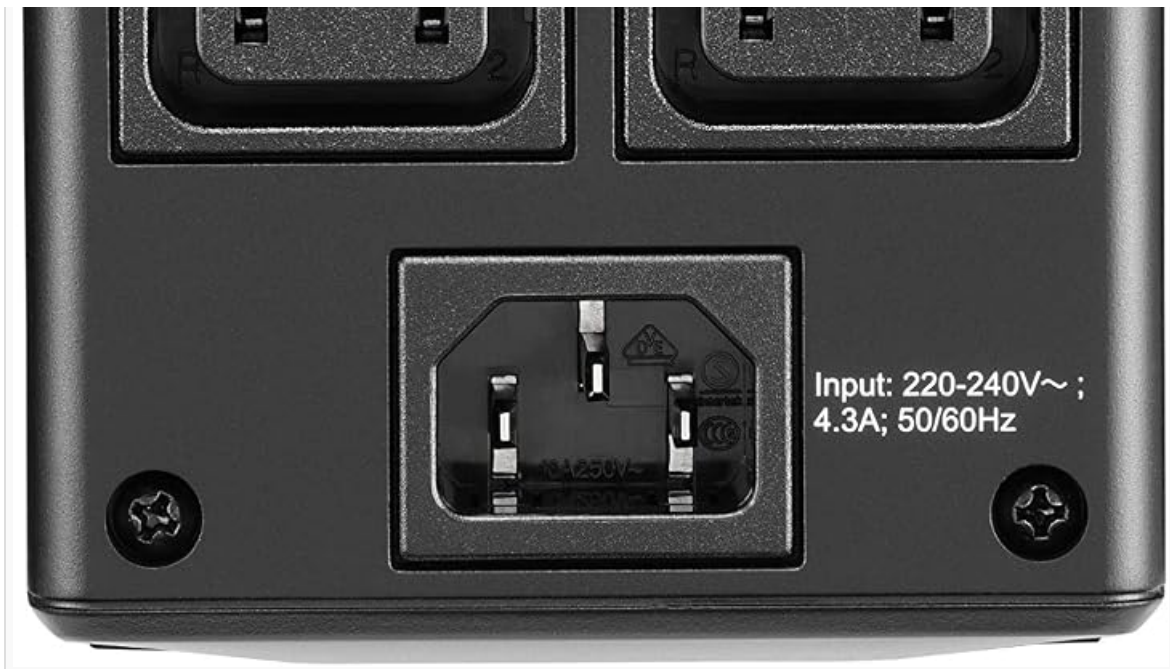


Figure 4.2: Rear View of the BR900MI. This image shows the back panel of the UPS, featuring six IEC outlets for battery backup and surge protection, Gigabit Ethernet (In/Out) and Tel (In/Out) ports for dataline protection, a USB & Serial data port for communication with a computer, and a circuit breaker reset button.

LCD Interface

The LCD display provides comprehensive information about the UPS status and power conditions. It can show details such as load capacity, battery charge level, estimated runtime, input/output voltage, and various operational modes. Use the buttons on the front panel to navigate through the display options.

5. SETUP

5.1. Battery Connection

The battery is shipped disconnected for safety. Before initial use, you must connect the internal battery. Refer to the specific instructions provided in the quick start guide or the full manual for your model to correctly connect the battery terminals. Ensure a firm connection to prevent power interruptions.

5.2. Connecting Equipment

Connect your critical electronic devices (computer, monitor, external hard drives, etc.) to the 'Battery + Surge' protected outlets on the rear of the UPS. These outlets provide both battery backup during power outages and surge protection. Non-critical devices can be connected to surge-only outlets if available on other models, but for the BR900MI, all six outlets offer both.

5.3. Initial Charging

After connecting the battery and your equipment, plug the UPS power cord into a grounded wall outlet. Allow the UPS to charge for at least 24 hours before initial use to ensure maximum battery runtime. The UPS will provide surge protection even if the battery is not fully charged.

6. OPERATING THE UPS

6.1. Turning On/Off

- **To Turn On:** Press the power button on the front panel. The LCD will illuminate, and the UPS will perform a self-test.
- **To Turn Off:** Press and hold the power button until the UPS shuts down.

6.2. Automatic Voltage Regulation (AVR)

The BR900MI features Automatic Voltage Regulation (AVR), which automatically corrects minor voltage fluctuations (brownouts and overvoltages) without switching to battery power. This extends battery life and ensures a stable power supply to your connected devices.

6.3. Dataline Protection

Connect your network cable (Ethernet) or telephone line through the designated 'Gigabit In' and 'Gigabit Out' or 'Tel In' and 'Tel Out' ports on the rear of the UPS. This provides surge protection for your data lines, safeguarding your network devices and modems from power surges traveling through data cables.

6.4. Runtime Graph

Runtime Graph

Back UPS Pro BR 900VA, 6 Outlets, AVR, LCD Interface (BR900MI)

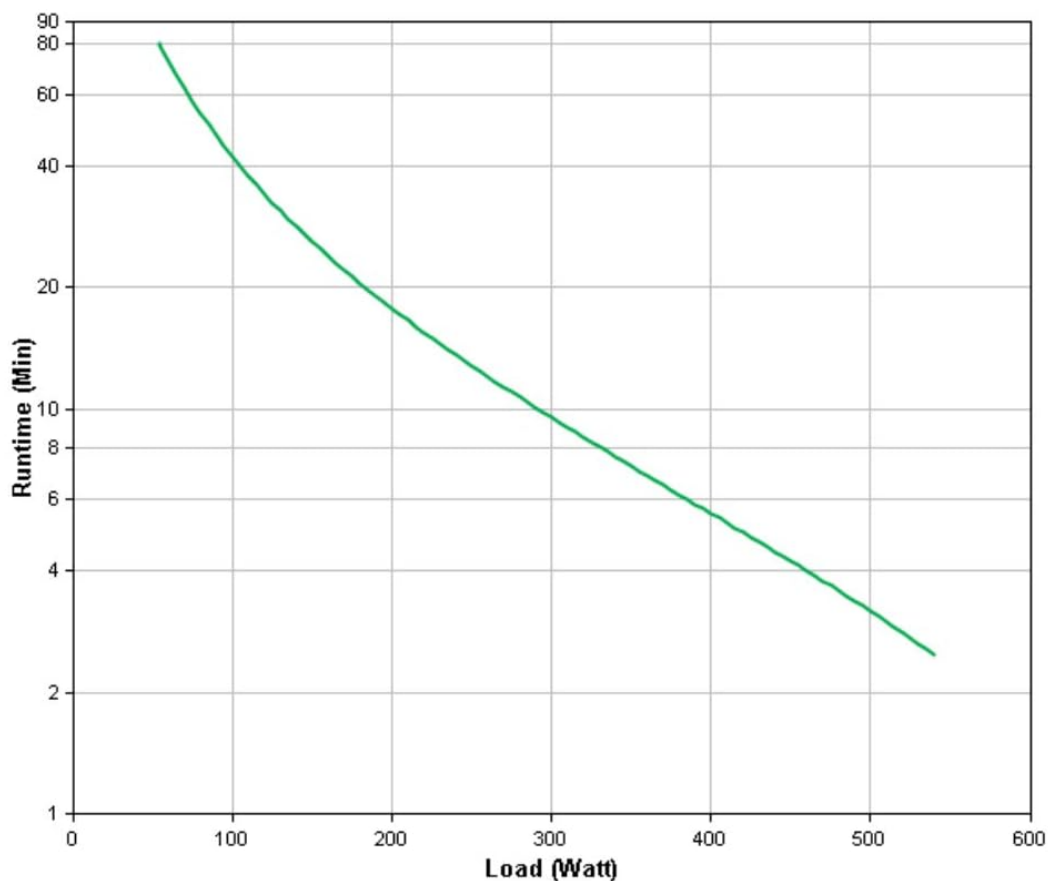


Figure 6.1: Runtime Graph. This graph illustrates the approximate battery runtime (in minutes) of the BR900MI based on the connected load (in watts). As the load increases, the available runtime decreases. This helps users estimate how long their devices will remain powered during an outage.

7. MAINTENANCE

7.1. Battery Replacement

The internal battery is a sealed lead-acid battery with a typical lifespan of 3-5 years, depending on usage and environmental conditions. When the battery needs replacement, the UPS will typically indicate this via an alarm or an icon on the LCD. Always replace the battery with an APC-approved replacement battery to ensure optimal performance and safety. Refer to the user manual for specific battery replacement procedures.

7.2. Cleaning

Clean the exterior of the UPS with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are clear of dust and debris to maintain proper airflow.

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Back-UPS Pro BR900MI.

Problem	Possible Cause	Solution
UPS does not turn on	Battery not connected; No input power; UPS fault	Ensure battery is connected; Check wall outlet and power cord; Contact APC support if fault persists.
UPS beeps continuously or frequently	On battery power; Overload; Low battery	Save work and shut down equipment; Reduce connected load; Allow battery to recharge.
UPS does not provide expected runtime	Battery not fully charged; Battery nearing end of life; Overload	Allow 24 hours for initial charge; Replace battery if old; Reduce connected load.
LCD display is blank	UPS is off; Power saving mode	Press power button to turn on; Press any button to wake up display.

If the problem persists after attempting these solutions, please contact APC customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Model Number	BR900MI
Capacity	900 VA / 480 Watts
Input Voltage	230 Volts
Output Voltage	230 Volts
Outlets	6 x IEC 320 C13 (Battery Backup & Surge Protection)
Dataline Protection	RJ45 10/100/1000 Base-T Ethernet, RJ11 Modem/Fax/Phone
Battery Type	Sealed Lead Acid
Typical Recharge Time	8 hours to 90%
Dimensions (H x W x D)	12.2 x 3.58 x 7.48 inches (31 x 9.1 x 19 cm)
Weight	15.4 pounds (7 kg)

Feature	Detail
Operating Temperature	0 - 40 °C (32 - 104 °F)

10. WARRANTY AND SUPPORT

10.1. Warranty Information

APC by Schneider Electric provides a limited warranty for this product. The specific terms and duration of the warranty may vary by region. Please refer to the warranty card included with your product or visit the official APC website for detailed warranty information.

10.2. Technical Support

For technical assistance, troubleshooting, or product inquiries, please contact APC customer support. Support contact information can typically be found on the APC website or in the documentation provided with your unit.

You can also visit the official APC Store for more information and resources:[APC by Schneider Electric Store](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

