

## APC BX600C-IN

# APC Back-UPS BX600C-IN 600VA / 360W UPS System User Manual

Model: BX600C-IN

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## 1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your APC Back-UPS BX600C-IN. This Uninterruptible Power Supply (UPS) system is designed to provide power backup and surge protection for home office equipment, desktop PCs, and other home electronics, ensuring continuous operation during power outages and protecting against voltage fluctuations.

## 2. IMPORTANT SAFETY INFORMATION

Please read and understand these instructions carefully before installing or operating the UPS. Failure to follow these instructions can result in serious injury or equipment damage.

### **WARNING: RISK OF ELECTRIC SHOCK**

- Do not remove the cover. Hazardous live parts inside this UPS are present even when the unit is disconnected from the mains.
- Refer servicing to qualified personnel only.
- Ensure proper grounding of the electrical outlet.
- Do not connect non-computer related items like hair dryers, vacuum cleaners, or other high-power appliances to the battery backup outlets.

Always disconnect the UPS from the power source before performing any maintenance or service.

## 3. PACKAGE CONTENTS

The APC Back-UPS BX600C-IN package should contain the following items:

- APC Back-UPS BX600C-IN Unit
- User Manual (this document)

Inspect the package upon receipt. Notify the carrier and dealer if there is any damage.

## 4. PRODUCT OVERVIEW

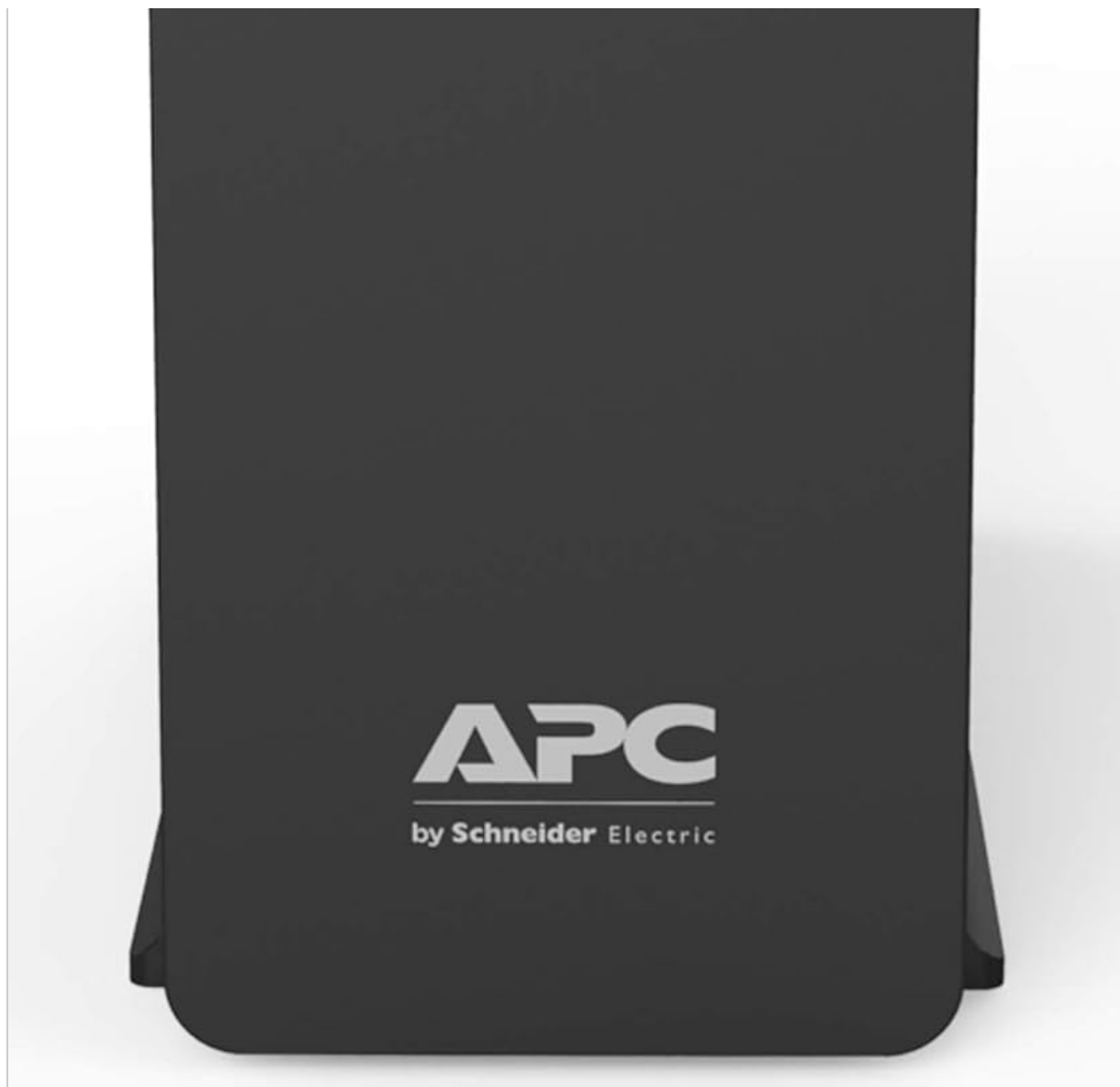
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### 4.1. Key Features

- **Compact Design:** Line Interactive UPS with a load capacity of 360 Watts / 600VA.
- **Battery Backup & Surge Protection:** Three 6A, 2/3 Pin output Indian Power Sockets provide battery backup and surge protection.
- **Automatic Voltage Regulation (AVR):** Corrects incoming voltage fluctuations within a wide range of 145-290V.
- **Battery:** Equipped with a 1x7.2Ah battery, offering 20-75 minutes of backup time depending on the load.
- **Generator Compatible:** Designed to work with generators.
- **Low Power Load Compatibility:** Suitable for devices like Wi-Fi routers and DSL modems.
- **Cold Start Capability:** Allows the UPS to power on using only battery power.
- **Fast Charging:** Recharges the battery in 4-6 hours.
- **Quiet Operation:** Maintains quiet operation during transfer from mains to generator power.

### 4.2. Front Panel





**Figure 1:** Front view of the APC Back-UPS BX600C-IN. This image displays the power button, battery indicator, and surge protection indicator on the front panel.

- **Power Button:** Controls the UPS power on/off.
- **Battery Indicator:** Shows battery status (charging, on battery, low battery).
- **Surge Protection Indicator:** Illuminates when surge protection is active.

#### 4.3. Rear Panel



**Figure 2:** Rear view of the APC Back-UPS BX600C-IN. This image shows the three battery backup and surge protected

outlets, the input power cord, and ventilation grilles.

- **Battery Backup & Surge Protected Outlets:** Three 6A, 2/3 Pin Indian standard outlets for connecting critical equipment. These outlets provide power during outages and protect against surges.
- **Input Power Cord:** Connects the UPS to the utility power outlet.
- **Ventilation Grilles:** Ensure proper airflow for cooling.

## 5. SETUP INSTRUCTIONS

1. **Placement:** Place the UPS in a cool, dry location, away from direct sunlight, excessive heat, or moisture. Ensure adequate ventilation around the unit.
2. **Initial Battery Charge:** Connect the UPS to a grounded wall outlet using the attached power cord. Allow the unit to charge for at least 8 hours before connecting any equipment. This ensures optimal battery runtime.
3. **Connect Equipment:**
  - Connect your computer, monitor, and other critical devices (e.g., Wi-Fi router, modem) to the **Battery Backup & Surge Protected Outlets** on the rear of the UPS.
  - Do not overload the UPS. The total wattage of connected equipment should not exceed 360 Watts.
4. **Power On:** Press the power button on the front panel to turn on the UPS. The power indicator will illuminate.

Ensure all connections are secure before powering on your devices.

## 6. OPERATING INSTRUCTIONS

### 6.1. Turning the UPS On/Off

- **To Turn On:** Press and hold the power button on the front panel until a beep is heard. The power indicator will light up.
- **To Turn Off:** Press and hold the power button until a beep is heard and the power indicator turns off.

### 6.2. Understanding Indicators and Alarms

#### UPS Status Indicators

Indicator/Alarm	Description
Power Indicator (Green LED) On	UPS is providing power to connected equipment.
Power Indicator (Green LED) Flashing	UPS is operating on battery power.
Audible Alarm (Beeping)	Indicates the UPS is operating on battery power. Beeps more frequently as battery charge depletes.
Continuous Alarm / Red Indicator	Indicates low battery, overload, or a fault condition.

Indicator/Alarm	Description
<b>Surge Protection Indicator On</b>	Surge protection is active and functioning.

### 6.3. Automatic Voltage Regulation (AVR)

The UPS automatically corrects minor voltage fluctuations (sags and surges) without switching to battery power, extending battery life. If the voltage fluctuation is too severe or prolonged, the UPS will switch to battery power.

### 6.4. Cold Start Function

The cold start feature allows you to power on the UPS and connected equipment using only battery power, even if there is no utility power available. To perform a cold start, ensure the UPS is off, then press and hold the power button until the unit powers on.

## 7. MAINTENANCE

### 7.1. Battery Care and Replacement

The UPS contains a sealed, maintenance-free lead-acid battery. The battery is designed for a service life of 3-5 years under normal operating conditions. Factors like frequent power outages, high temperatures, and deep discharges can reduce battery life.

- **Battery Type:** The UPS uses one 12V battery.
- **Replacement:** Battery replacement should only be performed by qualified service personnel. Refer to the safety information before attempting any service.
- **Disposal:** Batteries must be recycled properly. Contact your local recycling center or APC for disposal information.

### 7.2. Cleaning

Periodically clean the exterior of the UPS with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and debris.

## 8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your UPS. If the problem persists, contact APC customer support.

### Troubleshooting Guide

Problem	Possible Cause	Solution
<b>UPS does not turn on.</b>	<ul style="list-style-type: none"> <li>◦ Not connected to utility power.</li> <li>◦ Battery not charged.</li> <li>◦ Faulty battery.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Ensure the UPS is securely plugged into a grounded wall outlet.</li> <li>◦ Allow the UPS to charge for at least 8 hours.</li> <li>◦ Contact APC support for battery replacement if necessary.</li> </ul>

Problem	Possible Cause	Solution
<b>UPS beeps frequently or continuously.</b>	<ul style="list-style-type: none"> <li>◦ Operating on battery power.</li> <li>◦ Low battery.</li> <li>◦ Overload condition.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check utility power. Save work and shut down equipment if power outage persists.</li> <li>◦ Allow battery to recharge.</li> <li>◦ Disconnect non-essential equipment from battery backup outlets. Reduce total load to below 360W.</li> </ul>
<b>Short backup time.</b>	<ul style="list-style-type: none"> <li>◦ Battery not fully charged.</li> <li>◦ Battery nearing end of life.</li> <li>◦ Overload.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Ensure UPS is fully charged before use.</li> <li>◦ Consider battery replacement by qualified personnel.</li> <li>◦ Reduce connected load.</li> </ul>
<b>UPS makes chattering noises.</b>	<ul style="list-style-type: none"> <li>◦ Fluctuating input power (AVR engaging).</li> <li>◦ Loose internal components (rare).</li> </ul>	<ul style="list-style-type: none"> <li>◦ This is normal operation for AVR.</li> <li>◦ If persistent and loud, contact APC support.</li> </ul>

## 9. TECHNICAL SPECIFICATIONS

### APC Back-UPS BX600C-IN Specifications

Feature	Detail
<b>Model</b>	BX600C-IN
<b>Capacity</b>	600VA / 360W
<b>Input Voltage Range</b>	145-290V AC
<b>Output Voltage</b>	230V AC
<b>Output Frequency</b>	47 - 63 Hz (Sync to mains)
<b>Transfer Time</b>	10 ms typical, 12 ms maximum
<b>Battery Type</b>	1 x 12V, 7.2Ah Sealed Lead-Acid
<b>Typical Recharge Time</b>	4-6 hours
<b>Backup Time (Typical)</b>	20 - 75 minutes (load dependent)
<b>Outlets</b>	3 x 6A, 2/3 Pin Indian Sockets (Battery Backup & Surge Protected)
<b>Dimensions (H x W x D)</b>	23.7 x 10.7 x 21.8 cm
<b>Weight</b>	4.69 kg
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)

## 10. WARRANTY AND SUPPORT

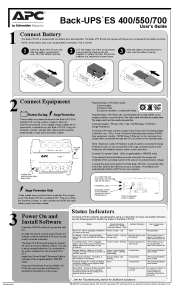

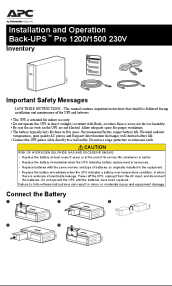

APC provides a comprehensive warranty for this product.

- **Warranty Period:** The APC Back-UPS BX600C-IN comes with a **2-year warranty** covering parts and labor, including the battery.
- **Contact Support:** For technical assistance, warranty claims, or service inquiries, please contact APC customer support. Refer to the official APC website or your purchase documentation for the most current contact information in your region.
- **Manufacturer:** SCHNEIDER ELECTRIC IT BUSINESS INDIA PRIVATE LIMITED.

Please retain your proof of purchase for warranty purposes.

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Related Documents - BX600C-IN

	<p><a href="#">APC Back-UPS ES 400/550/700 User's Guide and Specifications</a></p> <p>User's guide for the APC Back-UPS ES 400, 550, and 700 series uninterruptible power supplies (UPS), covering setup, connection, operation, troubleshooting, specifications, and warranty.</p>
	<p><a href="#">APC Back-UPS BN600G User Manual</a></p> <p>User manual for the APC Back-UPS BN600G Uninterruptible Power Supply (UPS), providing safety information, specifications, installation, operation, troubleshooting, and warranty details.</p>
	<p><a href="#">APC Back-UPS Pro 1200/1500 230V Installation and Operation Guide</a></p> <p>Comprehensive guide for installing and operating the APC Back-UPS Pro 1200/1500 230V. Covers safety, setup, software installation, operation, troubleshooting, specifications, and warranty.</p>
	<p><a href="#">APC Back-UPS Pro 900 Installation and Operation Guide</a></p> <p>This guide provides instructions for installing and operating the APC Back-UPS Pro 900, including setup, software installation, connection of equipment, operational features like power saving and display modes, troubleshooting, and specifications.</p>



