Product Specification Sheet
BN450M
APC Back-UPS



WNC-SB-Bottom
Replacement Security Button Bottom for WNC-SB

The APC Back-UPS BN450M is a compact standby Uninterruptible Power Supply (UPS) designed to provide battery backup and surge protection for essential electronic equipment. It delivers 450 VA / 255 W of backup power and features six NEMA 5-15R outlets, including four battery-backup/surge-protected outlets and two surge-only outlets. The unit is suitable for protecting networking equipment, computers, security systems, and other critical electronics from power interruptions and electrical surges.

Specifications

- **Output Capacity:** 450 VA / 255 W
- **Topology:** Standby (Offline)
- **Input Voltage:** 120 VAC
- **Input Connection:** NEMA 5-15P
- Input Frequency: 50/60 Hz, auto-sensing
- **Output Voltage:** 120 VAC
- **Output Connections:** 4 × NEMA 5-15R battery backup/surge outlets; 2 × NEMA 5-15R surge-only outlets
- **Waveform Type:** Square wave / simulated sine wave
- **Transfer Time:** Approximately 6 ms typical; 10 ms maximum
- **Battery Type:** Sealed, maintenance-free lead-acid
- **Battery Recharge Time:** Approximately 8 hours
- **Surge Energy Rating:** 180 J
- **Power Cord Length:** 5 ft (1.52 m)
- **Dimensions:** 9.96" W × 4.13" D × 5.51" H (25.3 × 10.5 × 14.0 cm)
- **Weight:** 5.73 lbs (2.6 kg)
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Mounting:** Desktop/floor placement; not rack-mountable

Architects' and Engineers' Specifications

The contractor shall furnish and install an APC Back-UPS BN450M, or approved equivalent, providing a minimum capacity of 450 VA / 255 W at a nominal 120 VAC, 50/60 Hz input. The UPS shall provide six NEMA 5-15R output receptacles, with four providing battery backup and surge protection and two providing surge protection only.

The unit shall utilize a sealed, maintenance-free lead-acid battery and provide automatic transfer to battery operation during utility power interruptions. The UPS shall include visual status indication and audible alarms for operating conditions and shall provide surge protection with a minimum rating of 180 joules.

Compliance and Certification

- **Safety Certification:** cTUVus certified.
- **Environmental Compliance:** RoHS compliant.
- **Energy Efficiency:** Listed with California Energy Commission (CEC) certification for applicable configurations.
- **Product Warranty:** 3-year repair-or-replace warranty.

Equipment Options

- **Desktop Installation:** Suitable for placement on desks, workstations, counters, or other stable indoor surfaces.
- **Floor Placement:** Compact enclosure allows convenient placement near protected equipment.
- **Power Sensitivity Settings:** Adjustable sensitivity accommodates different power-quality environments.

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Features

- **Battery Backup & Surge Protection:** Provides backup power and surge protection for connected equipment through six NEMA 5-15R outlets.
- **Six Outlets:** Four outlets provide battery backup and surge protection, while two provide surge protection only.
- **Building Wiring Fault Indicator:** LED status display provides information regarding power and wiring conditions.
- **Audible Alarms:** Audible notifications indicate changes in utility power and UPS operating conditions.
- **Compact Form Factor:** Space-saving design suitable for desks, workstations, and other indoor installations.
- **Intelligent Battery Management:** Sealed lead-acid battery system with approximately 8-hour recharge time.
- **Surge Protection:** Provides 180 joules of surge energy protection.

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