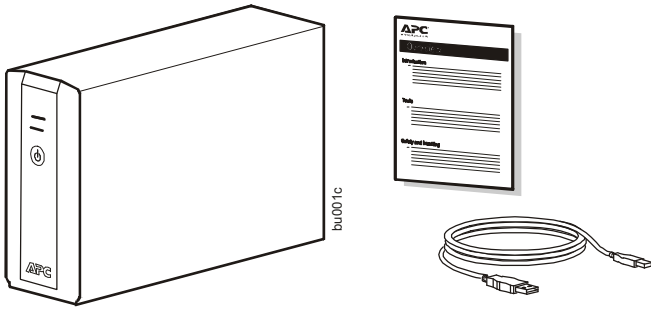


by Schneider Electric

## 1 Inventory



## 3 Connect the Battery

- Connect the battery by pulling the battery connector handle down, and then pushing it into the unit.
- Connect the Back-UPS BX800/1100 U-LM power cable directly to a wall outlet. Do not use surge protectors or extension cords.
- Press the ON/OFF button to turn on the unit. The green "Power On" indicator confirms that the Back-UPS is on and ready to provide protection. The Back-UPS should charge for at least 10 hours to ensure sufficient runtime. The unit is being charged whenever it is connected to AC power, whether the unit is turned ON or OFF.

## 5 Status Indicators

Status	LED Indicator	Audible Indicator On	Audible Indicator Terminates
<b>Power On</b> The Back-UPS is supplying AC power to connected equipment.	The <b>On Line</b> LED illuminates green.	None	N/A
<b>On Battery</b> The Back-UPS is supplying battery power to battery backup outlets.	The <b>On Line</b> LED illuminates green. The LED is not illuminated during the beeps.	Back-UPS beeps 4 times every 30 seconds.	The beeping stops when AC power is restored or the Back-UPS is turned off.
<b>Low Battery warning</b> The Back-UPS is supplying battery power to the battery backup outlets and the battery is near a total discharge state.	The <b>On Line</b> LED flashes green.	The Back-UPS emits rapid beeping. (once every second)	The beeping stops when AC power is restored or the Back-UPS is turned off.
<b>Replace Battery</b> • The battery is disconnected. • The battery needs to be charged or replaced.	• The <b>Battery</b> LED flashes red. • <b>Battery</b> and <b>On Line</b> LEDs flash alternately.	Constant tone	The Back-UPS is turned off.
<b>Overload Shutdown</b> While operating on battery power an overload condition has occurred in one or more of the battery backup outlets.	None	Constant tone	The Back-UPS is turned off.
<b>Sleep Mode</b> While operating on battery power the battery is completely discharged. The Back-UPS will "awaken" once AC power is restored.	None	The Back-UPS beeps once every four seconds.	• AC power is restored • AC power is not restored within 32 seconds • The Back-UPS is turned off
<b>Overload Alarm</b> The equipment connected to the Back-UPS is drawing more power than the voltage rating allows.	The <b>Battery</b> LED illuminates red.	Constant tone	Alarm stops when nonessential equipment is disconnected from the Battery Backup outlets.

### Battery Replacement

The battery in the Back-UPS BX800U-LM and BX1100U-LM is not user-replaceable. Contact Schneider Electric IT (SEIT) Technical Support for a list of authorized service centers near you.

## 7 Specifications

Specification	BX800U-LM	BX1100U-LM
<b>Input</b>	Voltage	120 Vac, nominal
	Frequency	50/60 Hz ± 3Hz, auto-sensing
	Brownout Transfer	75 Vac, typical
	Over-voltage Transfer	140 Vac, typical
<b>Output</b>	UPS Capacity (total)	800 VA / 480 W
	Voltage On Battery	120 Vac (step-approximated sinewave)
	Frequency on Battery	50/60 Hz ± 1Hz
	Transfer Time	4 ms typical
<b>Protection and Filtering</b>	AC Surge Protection	Full time, 378 Joules
	AC Input	Resettable circuit breaker
<b>Battery</b>	Type (maintenance free, lead acid)	12 V 9 Ahr
	Average Life	Each battery 12 V 7.2 Ahr
	Typical Recharge Time	3 - 5 years depending on the number of discharge cycles and environmental temperature
<b>Physical</b>	Net Weight	8 kg
	Dimensions (H x W x D)	12 kg
	Operating Temperature	21.5 cm x 13 cm x 33.6 cm
	Storage Temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating Relative Humidity	-15 °C to 45 °C (5 °F to 113 °F)
	Operating Elevation	0 to 95% non-condensing 0 to 3000 m (0 to 10,000 ft)
<b>EMC Compliance</b>	This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.	

## Troubleshooting and Service

- Consult the Troubleshooting from the APC by Schneider Electric Web site, [www.apc.com](http://www.apc.com).
- If the problem persists, contact Schneider Electric IT (SEIT) Customer Support through the Schneider Electric Web site, [www.apc.com](http://www.apc.com).
  - Note the model number and serial number and the date of purchase. The model and serial numbers are located on the rear panel of the unit and are available through the LCD display on select models.
  - Call SEIT Customer Support and a technician will attempt to solve the problem over the phone. If this is not possible, the technician will issue a Returned Material Authorization Number (RMA#).
  - If the unit is under warranty, the repairs are free.
  - Service procedures and returns may vary internationally. Refer to the Schneider Electric Web site for country specific instructions.
- Prepare to troubleshoot the problem over the phone. If this is not successful, and the unit is still under warranty, the Technical Support Representative will provide all necessary information to return the unit for replacement.

## 2 Safety and General Information



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

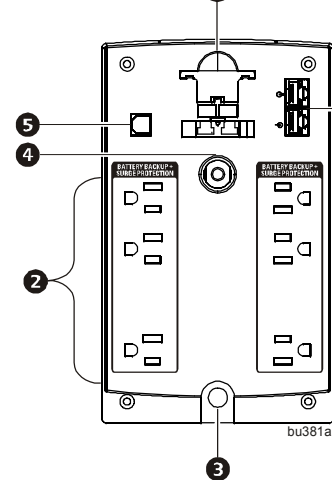
Read the Safety Guide supplied with this unit before installing the UPS.

- 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.
- Be sure the air vents on the UPS are not blocked. Allow adequate space for proper ventilation.
- The battery typically lasts for three to five years. Environmental factors impact battery life. Elevated ambient temperatures, poor quality AC power, and frequent short duration discharges will shorten battery life.
- Connect the UPS power cable directly to a wall outlet. Do not use surge protectors or extension cords.

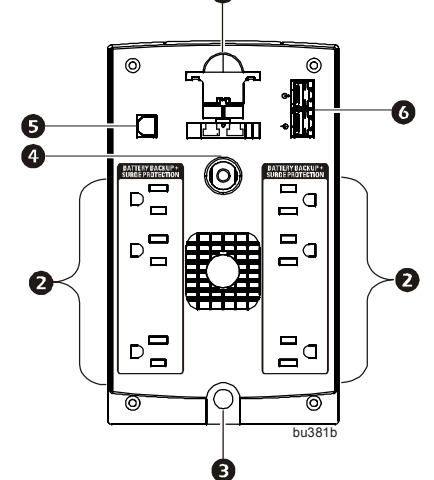
## 4 Installation

- Battery connector
- Battery Backup + Surge Protection outlets
- AC Power Cable
- Circuit breaker
- USB port
- Telephone/Network port

800 VA Model



1100 VA Model



### PowerChute™ Personal Edition Software

PowerChute Personal Edition Software allows you to use your computer to access additional power protection and management features of the Back-UPS.

### Installation

Connect the Back-UPS to a computer using a USB cable. Plug one end into the USB Port on the rear panel of the Back-UPS and the other into a USB port on your computer.

To download the software and for detailed operation, go to [www.apc.com](http://www.apc.com)

## 6 Transfer Voltage and Sensitivity Settings

Automatic Voltage Regulation boosts the AC voltage when it drops below safe levels. This allows the equipment that is connected to the Back-UPS to operate during low voltage conditions. Automatic Voltage Regulation will also regulate high voltage conditions down to a safe level.

The Back-UPS will switch to battery power if the AC input voltage level becomes too low or too high for the Automatic Voltage Regulation feature to compensate, or if the AC power is experiencing voltage fluctuations.

### No-load Shutdown

The UPS will shut down to conserve energy if while operating on battery power the UPS detects that connected equipment is using less than 15 W of energy for more than 15 minutes.

No-load shutdown can be enabled or disabled through **Program** mode described below.

If the Back-UPS switches to battery power too frequently or too infrequently, adjust the transfer voltage and sensitivity settings:

- Verify that the Back-UPS battery is connected. Connect the Back-UPS to a wall outlet. The Back-UPS should be turned off.
- Press and hold the **POWER ON/OFF** button for 10 seconds. The LEDs will illuminate green and red alternately, to indicate that the Back-UPS is in **Program** mode.
- The LEDs will flash either green, red or green and red alternately to indicate the current sensitivity level. The Back-UPS will beep to indicate that No-load Shutdown is enabled. Refer to the table for an explanation of the transfer voltage sensitivity levels.
- To select **LOW** sensitivity, press the **ON/OFF** button until the **On Line** LED flashes green.
- To select **MEDIUM** sensitivity, press the **ON/OFF** button until the **Battery** LED flashes red.
- To select **HIGH** sensitivity, press the **ON/OFF** button until the **On Line** and **Battery** LEDs flash green and red alternately.
- To exit **Program** mode wait for five seconds and both LEDs will extinguish. **Program** mode is no longer active.

LED Flashes	Audible Indicator	Voltage Sensitivity Setting	Input Voltage Range	No-load Shutdown	Recommended Use
Green	None	Low	75-140	Disabled	Use this setting with equipment that is less sensitive to fluctuations in voltage or waveform distortions.
Green	4 beeps per second	Low	75-140	Enabled	Use this setting with equipment that is less sensitive to fluctuations in voltage or waveform distortions.
Red	None	Medium	77-140	Disabled	Use this setting for normal operation conditions.
Red	4 beeps per second	Medium (factory default)	77-140	Enabled	Use this setting for normal operation conditions.
Green and Red	None	High	80-140	Disabled	Use this setting when connected equipment is sensitive to voltage fluctuations or waveform distortions.
Green and Red	4 beeps per second	High	80-140	Enabled	Use this setting when connected equipment is sensitive to voltage fluctuations or waveform distortions.

## APC by Schneider Electric IT Customer Support Worldwide

For country specific customer support, go to the APC by Schneider Electric Web site, [www.apc.com](http://www.apc.com).

Register your product on-line. <http://warranty.apc.com>



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