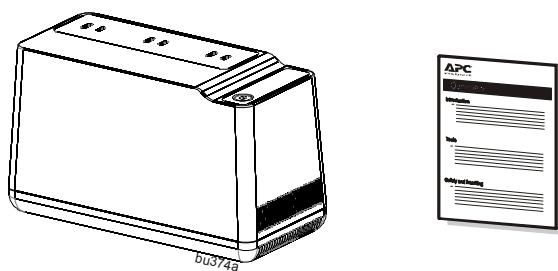


Inventory



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.

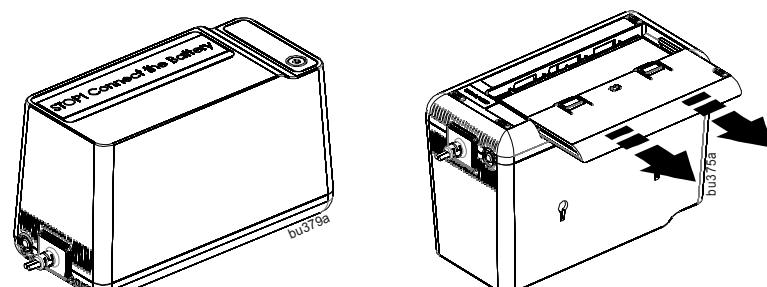
- This unit is designed for low power devices less than 75 Watts. When the UPS is on battery, the unit will shut down automatically to protect itself once the load on the UPS is greater than 75Watts.
- This UPS is intended for indoor use only.
- Do not operate this UPS in direct sunlight, in contact 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.

Specifications

Input	Voltage	120 Vac Nominal
	Frequency	50/60 Hz ± 3
	Brownout Transfers	92 Vac Typical
	Over-voltage Transfer	139 Vac Typical
Output	UPS Capacity (3 battery backup outlets)	125 VA, 75 W
	Total Amperage (all outlets)	1.04 A (including UPS output)
	Voltage - On Battery	115 Vac ± 8%
	Frequency - On Battery	50/60 Hz ± 1
	Transfer Time	6 ms Typical, 10 ms maximum
Protection and Filtering	AC Surge Protection	Full time, 90 Joules
	EMI/RFI Filter	Full time
	AC Input	Resettable circuit breaker
Battery	Type	Sealed, maintenance-free, lead acid RBC153
	Average Life	3 - 5 years depending on the number of discharge cycles and environmental temperature
Physical	Net Weight	5.51 lb (2.5 kg)
	Dimensions Length x Width x Height	8.9 in x 4.1 in x 5.2 in 22.5 cm x 10.5 cm x 13.2 cm
	Operating Temperature	32° F to 104° F (0° C to 40° C)
	Storage Temperature	5° F to 113° F (-15° C to 45° C)
	Operating Relative Humidity	0 to 95% non-condensing humidity
	Operating Elevation	0 to 10,000 ft (0 to 3000 m)

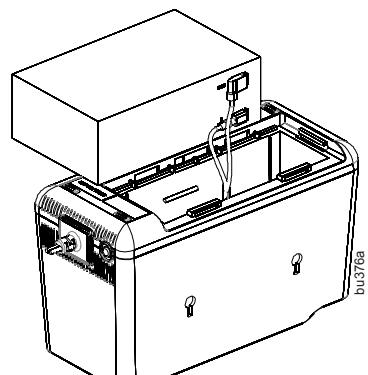
Connect the Battery

The Back-UPS is shipped with one battery cable disconnected.

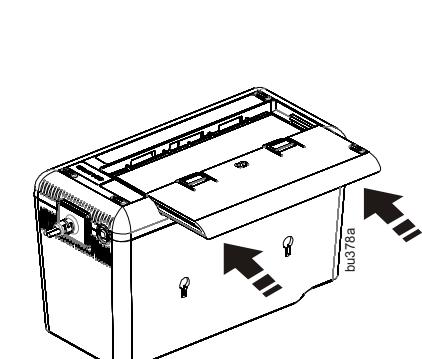


1 Remove the "Stop! Connect the Battery" label that covers the outlets.

2 Press the battery compartment cover release tabs located on the rear side of the unit. Slide the battery cover off.

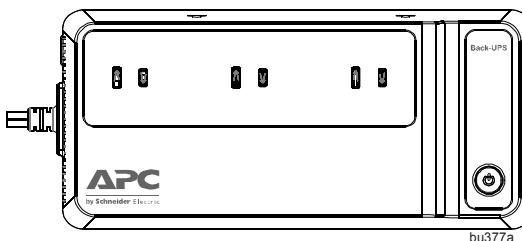


3 Connect the battery cable securely to the battery terminal. It is normal for small sparks to be seen when the battery cable is connected to the battery terminal.



4 Reinstall the battery compartment cover. Be sure that the release tab locks into place.

Connect Equipment



Battery Backup Outlets

Battery backup outlets provide protection to connected equipment when the Back-UPS is turned on and connected to AC power.

Battery backup outlets receive power from the Back-UPS for a limited period of time when a power outage, or brownout condition occurs.

Battery backup outlets provide protection from power surges or spikes.

Connect a broadband modem and wireless router to the outlets. Voice over IP (VOIP) phones (if applicable) should also be plugged into battery backup outlets.

To maximize runtime in the event of a power outage only connect networking equipment to battery backup outlets.

This UPS is designed to sustain low power devices for extended periods of time. When the UPS is on battery, the unit will shut down automatically if the load on the UPS exceeds 75Watts. Low power devices include modems, routers, USB chargers (5W and 10W), VOIP and cordless phones.

Turn On the Back-UPS

Press the POWER ON button located on the top of the Back-UPS. The Power On/Replace Battery LED will illuminate and a single short beep will be audible to indicate that the Back-UPS is providing protection for connected equipment.

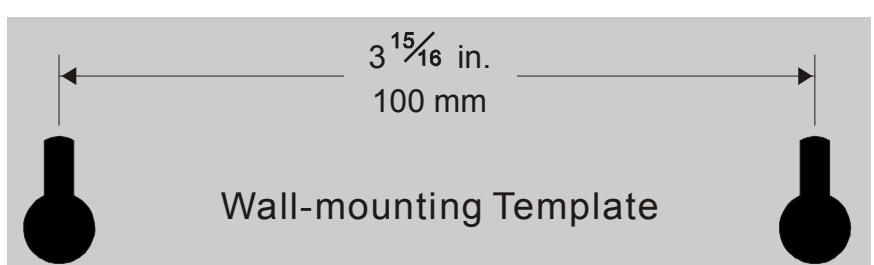
The Back-UPS battery charges fully during the first 16 hours while connected to AC power. The Back-UPS battery will charge while the Back-UPS is switched on or off and is connected to AC power. Do not expect full battery run capability during the initial charge time.

Status Indicators

Status	Power Button LED	Audible Indicator On	Audible Indicator Terminates
Power On The Back-UPS is supplying AC power to connected equipment.	The LED illuminates green.	None	N/A
On Battery Back-UPS supplying battery power to battery backup outlets.	The LED illuminates green. The LED flashes once at the end of every 2 seconds when entering battery mode.	Back-UPS beeps for 2 seconds when entering battery mode.	Beeping stops at the end of the first two seconds. A constant beep at the initial two seconds indicates the Back-UPS has entered the battery mode.
Low Battery warning The Back-UPS is supplying battery power to the battery backup outlets and the battery is near a total discharge state.	The LED illuminates green and flashes in rapid succession.	The Back-UPS emits rapid beeping, every 1/2 second.	Beeping stops when AC power is restored or the Back-UPS is turned off.
Replace Battery • The battery is disconnected. • The battery needs to be charged, or replaced.	The LED alternately illuminates green-red.	Constant tone Constant tone	Back-UPS is turned off.
Overload Shutdown While on battery power an overload condition has occurred in one or more of the battery backup outlets while the Back-UPS is operating on battery power.	None	Constant tone	Back-UPS is turned off.
Sleep Mode While 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.	The beeping stops when: • AC power is restored • If AC power is not restored within 32 seconds • The Back-UPS is turned off

Wall Mount Installation

- Horizontal installation, use 2 screws 3-15/16" (100 mm) apart.
- Allow 5/16" (8 mm) of the screw to protrude from the wall.



Voltage Sensitivity Adjustment (optional)

The Back-UPS detects and reacts to line voltage distortions by transferring to battery backup power to protect connected equipment. In situations where either the Back-UPS or the connected equipment is too sensitive for the input voltage level it is necessary to adjust the transfer voltage.

1. Connect the Back-UPS to a wall outlet. The Back-UPS will be in **Standby** mode, no indicators will be illuminated.
2. Press and hold the **ON/OFF** button for 10 seconds. The **OnLine** LED will illuminate alternately green-red, to indicate that the Back-UPS is in **Program** mode.
3. The **Power On/Replace Battery** LED will flash either green, amber, or red to indicate the current sensitivity level. Refer to the table for an explanation of the transfer voltage sensitivity levels.
4. To select **LOW** sensitivity, press and hold the ON/OFF button until the LED flashes green.
5. To select **MEDIUM** sensitivity, press and hold the ON/OFF button until the LED flashes red.
6. To select **HIGH** sensitivity, press and hold the ON/OFF button until the LED flashes amber.
7. To exit **Program** mode wait five seconds and all LED indicators will extinguish. **Program** mode is no longer active.

LED Flashes	Sensitivity Setting	Input Voltage Range (AC Operation)	Recommended Use
Green	LOW	88 Vac to 142 Vac	Use this setting with equipment that is less sensitive to fluctuations in voltage or waveform distortions.
Red	MEDIUM	92 Vac to 139 Vac	Factory default setting. Use this setting under normal conditions.
Amber	HIGH	96 Vac to 136 Vac	Use this setting when connected equipment is sensitive to voltage and waveform fluctuations.

Troubleshooting

Problem and Possible Cause	Solution
The Back-UPS will not turn on	
The Back-UPS has not been turned on.	Press the POWER ON button.
The Back-UPS is not connected to AC power, there is no AC power available at the wall outlet, or the AC power is experiencing a brownout or over voltage condition.	Make sure the power cord is securely connected to the wall outlet, and that there is AC power available at the wall outlet. Where applicable, check that the wall outlet is switched on.
The battery is not connected.	Connect the battery. Refer to "Connect the Battery" on page 1 of this manual. In the event that the Back-UPS receives no AC power and the battery is connected, a cold-start can be initiated. Press and hold the Power On button until the Back-UPS emits two beeps.
The Back-UPS is on, the Replace Battery LED flashes and the unit emits a constant tone	
The battery is disconnected.	Refer to the "Connect the Battery" on page 1.
Connected equipment loses power	
A Back-UPS overload condition has occurred.	Remove all nonessential equipment connected to the outlets. One at a time reconnect equipment to the Back-UPS.
The Back-UPS battery is completely discharged.	Connect the Back-UPS to AC power and allow the battery to recharge for eight hours.
Connected equipment does not accept the step-approximated sine waveform from the Back-UPS.	The output waveform is intended for computers and peripheral devices. It is not intended for use with motor driven equipment.
The Back-UPS may require service.	Contact Schneider Electric IT (SEIT) Technical Support for more in depth troubleshooting.
The Power On LED is illuminated and the Back-UPS beeps 4 times every 30 seconds	
The Back-UPS is operating on battery power.	The Back-UPS is operating normally on battery power. At this point the user should save all open files, and shutdown the computer. When AC power is restored the battery will recharge.
The Power On LED flashes once every second while the Back-UPS beeps once every second	
The Back-UPS battery has approximately two minutes of remaining runtime.	The Back-UPS battery is near a total discharge state. At this point the user should save all open files, and shutdown the computer. When AC power is restored the battery will recharge.
The Back-UPS has an inadequate battery runtime	
The battery is not fully charged. The battery is near the end of useful life and should be replaced.	Leave the Back-UPS connected to AC power for 16 hours while the battery charges to full capacity. As a battery ages, the runtime capability decreases. Contact APC by Schneider Electric at the Web site www.apc.com , to order replacement batteries.
The connection from the Back-UPS to the internet is lost during a power outage	
The modem has lost power.	Connect the broadband modem into one of the Battery Backup + Surge Protection outlets.