

**24 hour CyberPower CS75A12V3 Battery Backup - \$350 Installed at time of new service activation (additional service call of \$70 if dispatched after initial installation of service).**

Your Nextlink Internet voice and Internet services require electrical power from your home to operate. 24 hour battery backup (DC Power) is available for continuation of phone service during power disruptions caused by a storm or other power affecting conditions. If a power outage occurs, you will not be able to make or receive calls, including 911 calls, unless you have battery backup power for the subscriber module and POE for internet connectivity. During a power outage, if you wish to conserve battery power for making and receiving necessary calls, such as emergency or 911 calls, you should avoid making unnecessary calls and not use Nextlink Internet services during the outage. The technician will only plug in items necessary to provide backup power for 911 VoIP use only in the event of a power outage.

**Backup Battery Purchase and Replacement:**

Nextlink Internet Offers the following power/battery backup units or you may choose to procure similar systems on your own. The power specs are listed below if you choose to purchase on your own.

- **Input voltage range:** 90-135 VAC
- **On battery output voltage:** 12 VDC
- **Rated power:** 75W
- **Battery:** 12V/20Ah x 2
- **Intelligent control:** Yes
- **Telemetry interface:** Yes

You are responsible for monitoring the backup battery and will need to replace it when necessary. NEXTLINK INTERNET shall have no liability for the failure of your service to function during a power outage, including failure due to the absence or insufficiency of battery backup power. For battery replacement and recycling please contact CyberPower at P: [1.877.297.6937](tel:1.877.297.6937) Live Monday - Friday 7am — 6pm CST, or online <https://www.cyberpowersystems.com/support/> Be sure to have the battery model number available, which is CS75A12V3. The battery number is also located on the label on the side of the battery. Nextlink Internet does not supply replacement batteries or offer support on the UPS unit. We simply make the unit available for your convenience. Some other battery supply stores may have options or replacement batteries available (Batteries Plus Stores).

You may also be able to purchase replacement batteries through other suppliers (e.g., Batteries Plus, and via the Internet from Amazon or Best Buy). Locations where batteries are available are subject to change.

Portable generators with 120-volt outlets and extension cords will power the USP in the event of extended power outages. See manufacturer details for operating and safety procedures when using a portable generator.

- 24-Hour Battery back-up will not be available until 42 Hours after a completed installation due to battery charge time. There are two batteries with this unit.
- The back-up solution will back up the phone for 911 availability. Back-up time will decrease with usage of the system (internet/wifi/phone).
- Customer is responsible for the maintenance to the battery's per manufacture's recommendations. Specifications sheet and user manual at the end of this document.

- If the customer needs to extend the battery life beyond 24-hours, we suggest to plugging the battery back-ups a generator or a car with an inverter. (it takes 42 hours for the batteries to fully charge.) Use generator or car w/ inverter to manufacture recommendations.

# CyberPower

## CS75A12V3

# INDOOR CYBERSHIELD FTTx SYSTEM

Indoor power source with battery backup  
for telecom applications



The CS75A12V3 Indoor CyberPower CyberShield FTTx System provides cable telephony, wireless local loop (WLL) and fiber to the premise (FTTx) suppliers with a dependable, cost effective, local battery backup and power supply for customer premise(s). This FTTx DC power supply the Multiple Service Operator with a local powering solution that has lower installation, operational and service costs than competing power technologies.

Designed for interior installation, the CS75A12V3 provides a durable casing to protect the model and keyhole slots for wall-mounting in locations such as basements, mudrooms, utility closets and garages.

The unit supplies surge protection and continuous 12Vdc during power surges and outages, keeping local power network interface units up and running.

### TYPICAL APPLICATIONS

- Cable Telephony
- Wireless Local Loop
- VoIP and VoDSL
- Fiber to the Home
- MTU/MDU
- SOHO Network Communication

### FEATURES

- Microprocessor Based Intelligent Control
- Communication Interface
- Optional Extendable Runtime
- Audible and LED Indicators
- User-Replaceable Battery

## SPECIFICATIONS

| AC INPUT                    |                        |
|-----------------------------|------------------------|
| Input Voltage Range         | 90-135Vac              |
| Input Frequency Range       | 47-70Hz                |
| Input Power Cord            | IEC320 C5 3-Prong Cord |
| DC OUTPUT                   |                        |
| On Battery Output Voltage   | 12Vdc                  |
| Continuous Power Capability | 75W                    |
| Output Power Max            | 75W                    |
| Efficiency                  | >75%                   |

| BATTERY                        |                        |
|--------------------------------|------------------------|
| Battery Type                   | Sealed Lead-Acid       |
| Number of Batteries            | (1) 12V/20Ah           |
| Typical Recharge Time          | <24 Hours at Full Load |
| User-Replaceable               | Yes                    |
| Replacement Battery            | N/A                    |
| SURGE PROTECTION AND FILTERING |                        |
| Lightning/Surge Protection     | Yes                    |

# CS75A12V3 INDOOR CYBERSHIELD FTTx SYSTEM



## SPECIFICATIONS CONT.

### WARNING DIAGNOSTICS

|                   |                                  |
|-------------------|----------------------------------|
| Audible Indicator | Utility Failure, Low Battery     |
| LED Indicators    | System Status, DC, Mute, Battery |

### MANAGEMENT

|                         |   |
|-------------------------|---|
| Auto-Charge             | Yes   |
| Communication Interface | On Battery, Replace Battery, Battery Missing, Low Battery |

### PHYSICAL

|                                 |               |
|---------------------------------|---------------|
| Maximum Dimensions (LxWxD) (cm) | 30 x 28 x 9.9 |
| Weight (kg)                     | 8.2           |
| Cord Length                     | 8'            |

### ENVIRONMENTAL

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature       | 32°F-104°F (0°C-40°C)       |
| Operating Relative Humidity | 0-95% (Non-condensing)      |
| Storage Temperature         | 5°F-113°F (-15°C-45°C)      |
| Maximum Operating Elevation | 10,000 feet (3,000 meters)  |
| Maximum Storage Elevation   | 50,000 feet (15,000 meters) |

### CERTIFICATIONS

|            |                                |
|------------|--------------------------------|
| Compliance | UL60950-1, FCC Part 15 Class B |
|------------|--------------------------------|

### WARRANTY

|                  |                     |
|------------------|---------------------|
| Product Warranty | Three-Years Limited |
|------------------|---------------------|

**8 hour APC Back-UPS 425VA, 120V BE425M - \$75 installed at time of new service activation (additional service call of \$70 if dispatched after initial installation of service).**

Your Nextlink Internet voice and Internet services require electrical power from your home to operate. 8 hour battery backup (DC Power) is available for continuation of phone service during power disruptions caused by a storm or other power affecting conditions. If a power outage occurs, you will not be able to make or receive calls, including 911 calls, unless you have battery backup power for the subscriber module and POE for internet connectivity. During a power outage, if you wish to conserve battery power for making and receiving necessary calls, such as emergency or 911 calls, you should avoid making unnecessary calls and not use Nextlink Internet services during the outage. The technician will only plug in items necessary to provide backup power for 911 VoIP use only in the event of a power outage.

**Backup Battery Purchase and Replacement:**

Nextlink Internet Offers the following power/battery backup units or you may choose to procure similar systems on your own. The power specs are listed below if you choose to purchase on your own.

**Output**

**Output power capacity**

255Watts / 425VA

**Max Configurable Power (Watts)**

255Watts / 425VA

**Nominal Output Voltage**

120V

**Output Frequency (sync to mains)**

50/60Hz +/- 3 Hz

**Topology**

Standby

**Waveform type**

Square wave

**Output Connections**

(4) NEMA 5-15R (Battery Backup)

(2) NEMA 5-15R (selector\_surgetitle)

**Transfer Time**

6ms typical : 10ms maximum

You are responsible for monitoring the backup battery and will need to replace it when necessary. NEXTLINK INTERNET shall have no liability for the failure of your service to function during a power outage, including failure due to the absence or insufficiency of battery backup power. For battery replacement and recycling please contact CyberPower at P: [800-800-4272](tel:800-800-4272) Live Monday - Friday 7am — 7pm CST, or online [https://www.apc.com/us/en/support/contact/ask\\_apc.cfm](https://www.apc.com/us/en/support/contact/ask_apc.cfm) Be sure to have the battery model number available, which is BE425M. The battery number is also located on the label on the side of the battery. Nextlink Internet does not supply replacement batteries or offer support on

the UPS unit. We simply make the unit available for your convenience. Some other battery supply stores may have options or replacement batteries available (Batteries Plus Stores).

You may also be able to purchase replacement batteries through other suppliers (e.g., Batteries Plus, and via the Internet from Amazon or Best Buy). Locations where batteries are available are subject to change.

Portable generators with 120-volt outlets and extension cords will power the USP in the event of extended power outages. See manufacturer details for operating and safety procedures when using a portable generator.

- 8-Hour Battery back-up will not be available until 8 Hours after a completed installation due to battery charge time.
- The back-up solution will back up the phone for 911 availability. Back-up time will decrease with usage of the system (internet/wifi/phone).
- Customer is responsible for the maintenance to the battery's per manufacture's recommendations. Specifications sheet and user manual at the end of this document.
- If the customer needs to extend the battery life beyond 8-hours, we suggest to plugging the battery back-ups a generator or a car with an inverter. (it takes 8 hours for the batteries to fully charge.) Use generator or car w/ inverter to manufacture recommendations.



by Schneider Electric

# User Manual Back-UPS™ BE425M/425M-LM, BN450M/450M-CA

## Safety and General Information

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

**SAVE THESE INSTRUCTIONS** - This section contains important instructions that should be followed during installation and maintenance of the UPS and batteries.

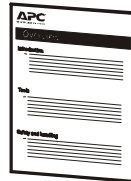
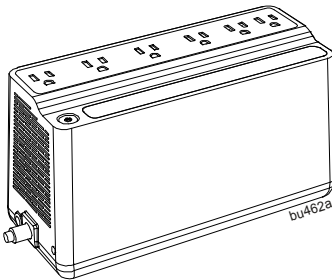
### **⚠ DANGER**

#### **HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- 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.
- Be sure the air vents on the UPS are not blocked. Allow adequate space for proper ventilation.

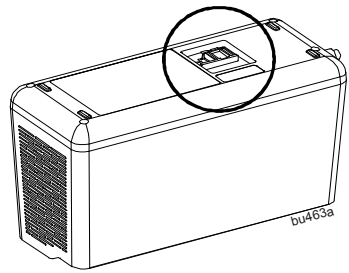
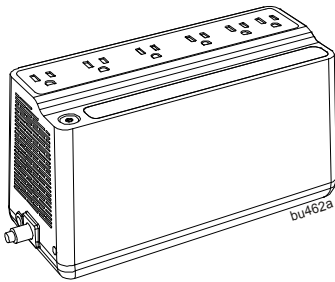
**Failure to follow these instructions will result in death or serious injury.**

## Inventory



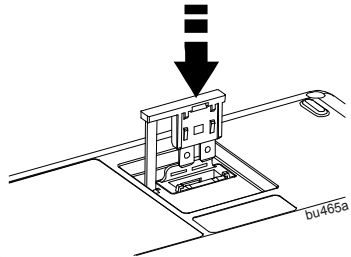
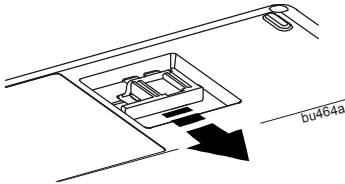
# Connect the Battery

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



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

2 The battery connector is located on the underside of the unit.



3 Slide the battery connector handle away from its disconnected position.

4 Turn the battery connector to a 90-degree upright position and push it into the unit.

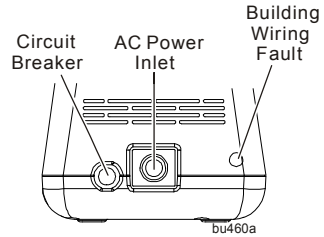
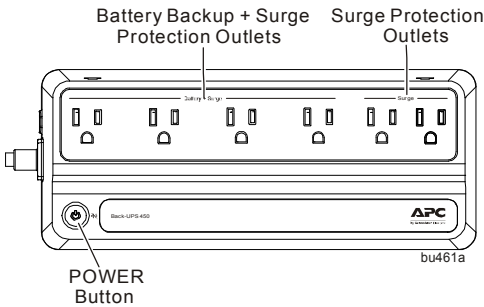
# Specifications

| Model                           | BE425M / BE425M-LM           |   | BN450M / BN450M-CA |
|---------------------------------|------------------------------|---|--------------------|
| <b>Input</b>                    | Voltage                      | 120 Vac Nominal   |                    |
|                                 | Frequency                    | 50/60 Hz $\pm$ 1Hz auto-sensing   |                    |
|                                 | Brownout Transfers           | 92 Vac Typical  |                    |
|                                 | Over-voltage Transfer        | 139 Vac Typical   |                    |
| <b>Output</b>                   | UPS Capacity                 | 425 VA, 255 W   | 450 VA, 255 W      |
|                                 | No. of Outlets               | 6   |                    |
|                                 | Battery Backup/Surge Outlets | 4 / 2   |                    |
|                                 | Total output current         | 6A  |                    |
|                                 | Voltage - On Battery         | 115 Vac $\pm$ 8%  |                    |
|                                 | Frequency - On Battery       | 50/60 Hz $\pm$ 1 Hz   |                    |
|                                 | Transfer Time                | 4 ms Typical  |                    |
| <b>Protection and Filtering</b> | EMI/RFI Filter               | Full time   |                    |
|                                 | AC Input                     | Resettable circuit breaker  |                    |
| <b>Battery</b>                  | Type                         | Sealed, maintenance-free, lead acid, 12V  |                    |
|                                 | Average Life                 | 3 - 5 years, the number of discharge cycles, poor quality AC power, environmental temperature and humidity may shorten the battery lifetime |                    |
|                                 | Charging Time                | 8 hours   |                    |



| Model    | BE425M / BE425M-LM   BN450M / BN450M-CA |  |
|----------|---|--|
| Physical | Net Weight                              | 5.7 lb (2.6 kg)  |
|          | Dimensions<br>LxWxH                     | 9.98 in x 4.13 in x 5.51 in<br>25.35 cm x 10.5 cm x 14.02 cm |
|          | Operating Temperature                   | 32° F to 104° F (0° C to 40° C)                              |
|          | Storage Temperature                     | -4° F to 122° F (-20° C to 50° C)                            |
|          | Operating Relative Humidity             | 0 to 95% non-condensing humidity                             |
|          | Operating Elevation                     | 0 to 10,000 ft (0 to 3000 m)                                 |

## Connect Equipment



| Feature  | Function  | Suggested Use   |
|--|---|---|
| <b>Battery Backup + Surge Protection Outlets</b> | <ul style="list-style-type: none"> <li>Receive power from the battery for a limited period of time when a power outage, or brownout condition occurs.</li> <li>Provide protection from power surges or spikes.</li> </ul> | Connect a computer, monitor and other critical peripheral devices that need to remain on during power outages or AC problems.               |
| <b>Surge Protection Outlets</b>                  | <ul style="list-style-type: none"> <li>Provide protection from power surges or spikes.</li> </ul>   | Connect non-critical peripheral devices (such as printer, scanner, etc.) that do not need to remain on during power outages or AC problems. |

## Turn On the Back-UPS

Press the POWER button. It will illuminate green and a single short beep indicating that the Back-UPS is on and providing protection for connected equipment.

The Back-UPS battery will charge regardless of whether the Back-UPS is switched on or off as long as it is connected to AC power. The UPS will have full runtime capability after the initial 24-hour charging period, connected to AC power.

If the red Building Wiring Fault indicator (located on the end near the power cord) is lit, your building wiring may present a shock hazard that should be corrected by a qualified electrician.

## Turn Off the Back-UPS

Press the POWER button for at least 2 seconds. At the first beep, release the button and the UPS will turn off. A 2 second delay has been added to mitigate unintentional contact with the POWER button.

## Quick Mute

The Back-UPS is able to temporarily mute user correctable alarms such as On Battery. During such alarms, a short press (less than 2 seconds) of the POWER button will temporarily mute the alarm until the condition has been reset. A short double beep will confirm that Quick Mute has been activated. Pressing the POWER button for more than 2 seconds will turn off the UPS.

Other critical events such as Battery replacement and Charger notification can not be temporarily muted. The unit in these cases must be turned off.

## On Battery Indicator Modes

With the UPS turned on, configuring the On Battery Indicator modes below is done by holding down the POWER button and waiting for the third beep. At the third beep, the POWER button will cycle red / green. Release the POWER button and its color will indicate the mode the UPS is in. Press the POWER button to cycle through each mode. See the following table for the 3 mode selection colors. Once the mode has been selected, wait 5 seconds and the setting will be committed to the UPS.

| Mode                  | Visual Indicator  | Audible Indicator   | Mode Selection Color |
|-----------------------|---|---|----------------------|
| Quiet Alarm (default) | The POWER button is solid green and flashes twice every 2 seconds until Low Battery notification where it will flash green in rapid succession. | No alarm until Low Battery notification where the alarm beeps twice every 30 seconds  | Flashing green       |
| No Alarm              |   | No alarm while the UPS is On Battery  | Flashing red         |
| Full Alarm            |   | Alarm sounds 4 beeps every 30 seconds until Low Battery notification where the alarm beeps every half second. As the UPS shuts down, it sounds one beep every 4 seconds | Flashing amber       |

## 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. Turn off the UPS while connected to a wall outlet.
2. Press and hold the **ON/OFF** button for 10 seconds. The POWER button will alternate green-red to indicate that the Back-UPS is in **Program** mode.
3. The POWER button 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 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.               |

## Status Indicators

| Status   | Power Button illumination  | Audible Indicator On  | Audible Indicator Terminates  |
|--|--|---|---|
| <b>Power On</b><br>The Back-UPS is supplying AC power to connected equipment.  | Solid green  | None  | N/A   |
| <b>On Battery</b><br>Back-UPS supplying battery power to battery backup outlets.   | Solid green and flashes twice every 2 seconds.                           | The audible alarm depends on the On Battery Indicator mode setting. See the <i>On Battery Indicator Modes</i> section for full details. | <ul style="list-style-type: none"> <li>- Using Quick Mute</li> <li>- Beeping stops when AC power is restored or the Back-UPS is turned off. Applies only to modes where the on battery alarm is audible.</li> </ul>   |
| <b>Low Battery notification</b><br>The Back-UPS is supplying battery power to the battery backup outlets and the battery is near a total discharge state.        | Flashes green in rapid succession.                                       |   |   |
| <b>Low Battery shutdown</b><br>The battery has been completely discharged while the Back-UPS is on battery, the UPS will shut down.                              | None   |   |   |
| <b>Sleep Mode</b><br>The UPS has shut down and will “awaken” once AC power is restored   | None   | None  | N/A   |
| <b>Replace Battery</b> <ul style="list-style-type: none"> <li>• The battery is disconnected.</li> <li>• The battery needs to be charged, or replaced.</li> </ul> | <ul style="list-style-type: none"> <li>• Alternates green-red</li> </ul> | <ul style="list-style-type: none"> <li>• Constant tone</li> </ul>   | <ul style="list-style-type: none"> <li>- Back-UPS is turned off</li> <li>- If battery is disconnected, unplug the Back-UPS from AC source and then turn it off. Refer to the section “<i>Connect the Battery</i>” on page 2.</li> <li>- If battery needs replacement, refer to the section “<i>Battery Replacement</i>” on page 8 for details.</li> </ul> |
| <b>Detected Overload</b><br>An overload condition has occurred in one or more of the battery backup outlets while operating on battery power.                    | None   | Constant tone   | Back-UPS is turned off  |

# Troubleshooting

| Problem and Possible Cause   | Solution   |
|--|--|
| <b>The Back-UPS will not turn on</b>   |  |
| 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 from the wall outlet. Where applicable, check that the wall outlet is switched on.   |
| <b>The Back-UPS is on, the POWER button alternated green-red and the unit emits a constant tone</b>  |  |
| <ul style="list-style-type: none"> <li>• The battery is disconnected.</li> <li>• The battery is near the end of useful life and should be replaced.</li> </ul>   | <ul style="list-style-type: none"> <li>• Remove AC power and refer to the section “<i>Connect the Battery</i>” on page 2.</li> <li>• Refer to the section “<i>Battery Replacement</i>” on page 8 for details.</li> </ul>                         |
| <b>Connected equipment loses power</b>   |  |
| 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.<br>Charge the battery for 24 hours to make sure it is fully charged. If the overload condition still occurs, replace the battery. |
| 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 SEIT Technical Support for more solutions.   |
| <b>The POWER button is green and flashes twice every 2 seconds.</b>  |  |
| 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.  |
| <b>The POWER button flashes green in rapid succession.</b>   |  |
| The Back-UPS battery has approximately two minutes of remaining runtime.   | The battery is near a total discharge state. The user should save all open files, and shutdown the computer. When AC power is restored the battery will recharge.  |
| <b>The Building Wiring Fault LED is red</b>  |  |
| The building wiring presents a shock hazard that must be corrected by a qualified electrical.  | Do not operate the Back-UPS. Call a qualified electrician to correct the building wiring fault.  |
| <b>The Back-UPS has an inadequate battery runtime</b>  |  |
| <ul style="list-style-type: none"> <li>• The battery is not fully charged.</li> <li>• The battery is near the end of useful life and should be replaced.</li> </ul>  | Leave the Back-UPS connected to AC power for eight hours while the battery charges to full capacity.<br>As a battery ages, the runtime capability decreases. See <i>Troubleshooting</i> to order replacement batteries.                          |
| <b>The alarm is on with a constant tone; outlets are normal but POWER button is not bright.</b>  |  |
| The UPS os on AC power but the power of the connected equipment exceeds the rated power of the UPS. If a power disruption is to occur at any moment the UPS may not be able to power the connected equipment. Power to the outlets will be uninterrupted as long as AC power is present. | Disconnect devices from the UPS until the load is less than the rated output of the UPS.   |
| <b>The alarm is on with a constant tone and the UPS is off.</b>  |  |
| <ul style="list-style-type: none"> <li>• The UPS was on battery and the connected load exceeded the rated load of the UPS.</li> </ul>  | Turn off the UPS. Disconnect all devices. Turn on the UPS and reconnect the devices one at a time.   |

# Wall Mount Installation

- Horizontal installation, use 2 screws 7.63" (194 mm) apart.
- Allow 5/16" (8 mm), of the screw to protrude from the wall.



bu380d

## Service

If the unit requires service, do not return it to the dealer. Follow these steps:

1. Review the *Troubleshooting* section of the manual to eliminate common problems.
2. If the problem persists, contact Schneider Electric IT (SEIT) Customer Support through the APC by Schneider Electric Web site, [www.apc.com](http://www.apc.com).
  - a. 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.
  - b. 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#).
  - c. If the unit is under warranty, the repairs are free.
  - d. Service procedures and returns may vary internationally. Refer to the APC by Schneider Electric Web site for country specific instructions.
3. Pack the unit in the original packaging whenever possible to avoid damage in transit. Never use foam beads for packaging. Damage sustained in transit is not covered under warranty.
4. **Always DISCONNECT THE UPS BATTERIES before shipping. The United States Department of Transportation (DOT), and the International Air Transport Association (IATA) regulations require that UPS batteries be disconnected before shipping.** The internal batteries may remain in the UPS.
5. Write the RMA# provided by Customer Support on the outside of the package.
6. Return the unit by insured, pre-paid carrier to the address provided by Customer Support.

# Battery Replacement

## ⚠ CAUTION

### HAZARD OF EXPLOSION

- Do not dispose of the batteries in a fire. The batteries may explode.
- Do not open or mutilate the batteries. Release electrolyte may be toxic and it is harmful to the skin and eyes.

**Failure to follow these instructions can result in injury.**

The battery in the Back-UPS is not user-replaceable. Contact SEIT Technical Support for a list of authorized service centers near you.

## Warranty

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

The standard warranty is three (3) years from the date of purchase. Schneider Electric IT (SEIT) standard procedure is to replace the original unit with a factory reconditioned unit. Customers who must have the original unit back due to the assignment of asset tags and set depreciation schedules must declare such a need at first contact with an SEIT Technical Support representative. SEIT will ship the replacement unit once the defective unit has been received by the repair department, or cross ship upon the receipt of a valid credit card number. The customer pays for shipping the unit to SEIT. SEIT pays ground freight transportation costs to ship the replacement unit to the customer.

## 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).

## EMC Compliance

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.



\*1 This UPS is certified to comply with California Battery Charger System regulations. For more information go to [www.apc.com/company/us/en/sustainability/energy-efficiency/california-battery-charger-regulations/](http://www.apc.com/company/us/en/sustainability/energy-efficiency/california-battery-charger-regulations/)

\*1: Not applicable to BE425M-LM



# Safety Information - SAVE THIS GUIDE

by **Schneider** Electric

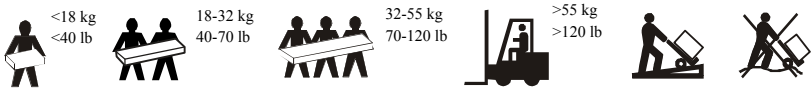
This Safety Guide contains important instructions that should be followed during installation and maintenance of the APC by Schneider Electric equipment and batteries. It is intended for APC by Schneider Electric customers who setup, install, relocate, or maintain APC by Schneider Electric equipment.

**Read, understand, and follow ALL safety instructions contained in this manual. Failure to follow safety instructions and warnings could result in equipment damage, serious injury, or death.**

**Changes and modifications to this unit not expressly approved by APC by Schneider Electric could void the warranty.**



## WARNING! Handling Safety



## WARNING! Deenergize Safety

The UPS contains internal batteries and may present a shock hazard even when disconnected from the branch circuit (mains). Before installing or servicing the equipment verify the following:

- Mains circuit breaker is in the **OFF** position.
- Internal UPS batteries are removed.
- XLBP battery modules are disconnected.



## WARNING! Electrical Safety

- Adhere to all national and local electrical codes.
- Do not work alone under hazardous conditions.
- This unit contains no user serviceable parts. Some UPS models have user replaceable internal batteries.
- To avoid personal injury due to energy hazard, remove wrist watches and jewelry such as rings when replacing the batteries.
- Use tools with insulated handles.
- High current through conductive materials could cause severe burns.
- Do not handle any metallic connector before the power has been disconnected.
- Check that the power cord(s), plug(s), and receptacles are in good condition.
- If ground cannot be verified, disconnect the equipment from the utility power outlet before installing or connecting to other equipment. Reconnect the power cord only after all connections are made.
- The protective earth conductor for the UPS carries the leakage current from the load devices (computer equipment). An insulated ground conductor must be installed as part of the branch circuit that supplies the UPS. The conductor must have the same size and insulation material as the grounded and ungrounded branch circuit supply conductors. The conductor will be green, with or without a yellow stripe.

- The ground conductor must be grounded to earth at the service equipment, or if supplied by a separately derived system, at the supply transformer or motor generator set.
- Connect the equipment to a three wire utility outlet (two poles plus ground). The receptacle must be connected to appropriate branch circuit/mains protection (fuse or circuit breaker). Connection to any other type of receptacle may result in risk of electrical shock.
- Leakage current for a pluggable Type A UPS may exceed 3.5 mA when a separate ground terminal is used.



### **WARNING! Battery Safety**

- This equipment contains potentially hazardous voltages. Do not attempt to disassemble the unit. The only exception is for a UPS containing user replaceable batteries. Refer to the battery replacement procedures detailed in the user manual.
- Do not dispose of batteries in a fire. The batteries may explode.
- Do not open or mutilate batteries. They contain an electrolyte that is toxic and harmful to the skin and eyes.
- Replace batteries with the same number and type of batteries as originally installed in the equipment.



THIS POLICY IS NOT A WARRANTY. REFER TO THE LIMITED WARRANTY FOR INFORMATION CONCERNING THE WARRANTY FOR YOUR APC PRODUCT. THE LIMITATIONS AND CONDITIONS IN THIS POLICY DO NOT AFFECT THE TERMS OF THE WARRANTY.

"Equipment Protection Policy"  
In the 50 US States, Canada, and Bermuda for 120 Volt Products'

If your electronic equipment is damaged by power line transients on an AC power line (120 volt), while directly and properly connected to a standard Schneider Electric IT Corporation (SEIT), 120 volt product covered by the Equipment Protection Policy ("connected equipment"), and if all of the remaining conditions specified below are met, SEIT will, at sole option of SEIT, during the period specified below, replace the SEIT product and either (a) pay for the repair of the equipment or (b) reimburse you for the fair market value, as determined by the then current price list of the Orion Blue Book (or equivalent), of the connected equipment, in an amount not to exceed the dollar limits stated below, if SEIT determines that the damage was caused by the failure of the SEIT product to protect against power line transients, (telephone line, network, or CATV transients, if applicable). Power line transients that APC products have been designed to protect against, as recognized by industry standards, include spikes and surges on AC power lines (not designed as protection against swells as defined by IEEE 1100-1992). Protection from telephone line transients applies only to SEIT products which offer telephone line protection, and in cases in which such protection is available, telephone service equipment must include a properly installed and operating "primary protection" device at the service entrance (such devices are normally added during telephone installation) in order to be covered for telephone line transients. Protection of CATV (Cable Television) connected equipment from transients applies only to SEIT products which offer such protection, and in such cases, the CATV service must be properly grounded according to the codes set forth in the National Electric Code (NEC) in order to be covered for CATV transients. Protection from network line transients applies only to SEIT products which offer network line protection.

This SEIT policy applies to SEIT ProtectNet products if the power line to the equipment it is protecting is using only SEIT products, with an applicable Equipment Protection Policy, to protect against power line transients. The coverage of the ProtectNet product will then be covered under the SEIT power protection product Equipment Protection Policy. This policy does not apply to SEIT ProtectNet products if used individually without SEIT AC power protection products.

SEIT reserves the right to determine whether the damage to the connected equipment is due to SEIT product failure by requesting that damaged equipment be sent to SEIT for inspection. This policy is in excess of, and applies only to the extent necessary beyond any coverage for the connected equipment provided by other sources, including, but not limited to, any manufacturer's warranty, and any extended warranty coverage.

Equipment Protection Policy Dollar Limits

For customers that meet the qualifications and conditions set forth in this policy, SEIT will provide reimbursement (cost of repair or fair market value) up to the dollar amount listed at [http://www.apcc.com/support/service/equipment\\_protection\\_policy.cfm](http://www.apcc.com/support/service/equipment_protection_policy.cfm). You can also call at 1-800-800-4APC or fax us at 1-401-788-2743 to request this information.

Eligibility for coverage under the Equipment Protection Policy:

1. You must register the product by returning to SEIT the warranty card provided with the product within 10 days of purchase. All information must be filled in, and you should retain a copy for your records. The warranty card must clearly identify the types of electronic equipment that will be plugged into the APC product for which protection under this policy is claimed. All connected equipment must be UL or CSA approved.
2. The SEIT product must be plugged into properly wired and grounded outlets; no extension cords, adapters, other ground wires, or electrical connections may be used, with the sole exception of other standard SEIT 120 volt products. The installation must not include power protection products made by any manufacturer other than SEIT. The installation must comply with all applicable electrical and safety codes set forth pursuant to the National Electrical Code (NEC).
3. Any claim under the Equipment Protection Policy must be made within 10 days of the date of alleged damage to the connected equipment.
4. The Equipment Protection Policy covers only standard SEIT 120 volt products used in the 50 US states, Canada, and Bermuda.

What is not covered under the Product Policy:

1. Restoration of lost data and reinstallation of software are not covered.
2. This policy does not cover damage from a cause other than AC power line transients, except for damage due to telephone line, network or CATV transients, which is covered only if the SEIT product offers such protection.

In addition, the following are expressly excluded from coverage:

3. Damage caused by failure to provide a suitable installation environment for the product (including, but not limited to, lack of a good electrical ground).
4. Damage caused by the use of the SEIT product for purposes other than those for which it was designed.
5. Damage caused by accidents, or disasters such as fire, flood, or wind.
6. Damage caused by abuse, misuse, alteration, modification, or negligence.
7. This policy is null and void if, in view of SEIT, the SEIT product has been tampered with or altered in any way.
8. EXCEPT AS EXPRESSLY PROVIDED IN THIS POLICY, IN NO CASE SHALL APC BE LIABLE UNDER THE TERMS OF THIS POLICY FOR ANY DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR MULTIPLE DAMAGES ARISING OUT OF THE USE OF THE APC PRODUCT OR DAMAGE TO THE CONNECTED EQUIPMENT, REGARDLESS OF THE LEGAL THEORY ON WHICH SUCH CLAIM IS BASED, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF USE

OF THE APC PRODUCT OR THE CONNECTED EQUIPMENT OR ANY ASSOCIATED EQUIPMENT, LOSS OF SOFTWARE, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, LABOR, DOWNTIME, THE CLAIMS OF THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY.

Submitting an Equipment Protection Policy Claim:

1. If all of the conditions for coverage are satisfied, call the SEIT customer service department at (800) 800-4APC and obtain an EPP RMA (Equipment Protection Policy Returned Material Authorization) number. SEIT will forward to you an Equipment Protection Policy claim form, which must be completed and filed within 30 days.
2. Mark the Equipment Protection Policy RMA number on the SEIT product you are returning.
3. Pack the product in its original packaging (or request packing materials from SEIT if the packaging has been discarded). Mark the EPP RMA number clearly on the outside of box.
4. Ship the product (one way shipping charges paid by you) with the completed Equipment Protection Policy claim form as described in the instruction document.
5. SEIT will evaluate the product to determine its level of functionality, and will examine the product for evidence of damage from AC power line transients (telephone line, network and CATV transients, if applicable). (A) If the SEIT evaluation provides no evidence of damage from power line transients (telephone line, network or CATV transients, if applicable), SEIT will send to the customer (i) a report summarizing the tests performed and (ii) a rejection of claim notice. (B) If the SEIT product shows evidence of damage from power line transients (telephone line, network or CATV transients, if applicable), SEIT will request that all connected equipment for which an Equipment Protection Policy claim has been submitted, be sent for evaluation to either SEIT or an authorized service center. If it is determined that the connected equipment has been damaged from AC power line transients (telephone line, network or CATV transients, if applicable), SEIT will, at its discretion, either authorize you to have the equipment repaired or reimburse you for the fair market value of the damaged equipment, up to the dollar limits stated above. Please save the damaged connected equipment or all damaged parts.
6. If you are authorized by SEIT to have the connected equipment repaired, the repair must be performed at a service center that is authorized by the manufacturer of the connected equipment. SEIT reserves the right to contact the authorized service center directly to discuss repair costs and repair diagnosis, and damage to the connected equipment to determine if it was caused by AC power line transients (telephone line, network or CATV transients, if applicable) and the right to request that the service center forward the connected equipment or components of the connected equipment to SEIT for inspection.
7. SEIT will, after determining that the damage was caused by the failure of the SEIT product to protect against AC power line transients (telephone line, network or CATV transients, if applicable), issue payment to you, in its sole discretion, for either costs of repair or the fair market value of the connected equipment, up to the dollar limits stated above. SEIT reserves the right to require you to transfer title and deliver the connected equipment to SEIT if it chooses to reimburse you for the fair market value of the connected equipment.
8. Unless modified in a writing signed by SEIT and you, the terms of this policy are understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral and written, and all other communications between the parties relating to the subject matter of this agreement. No employee of SEIT or any other party is authorized to make any representations beyond those made in this agreement concerning the Equipment Protection Policy.

#### Data Recovery Policy

If data is lost from the hard drive in the protected computer due to a malfunction of a properly connected SEIT product, SEIT will, at its sole discretion, provide data recovery services from Ontrack® data recovery labs. This warranty will be offered to customers to the extent commercially reasonable, as determined by SEIT at its sole discretion. Ontrack will make every commercially reasonable effort to retrieve customer data, however, due to the nature of data loss, recovery is not guaranteed. The data recovery warranty is available on all SEIT products mentioned in the chart that follows with the exception of SEIT Basic and Personal SurgeArrest™ models. Data recovery is limited to physical hard drives within protected computing equipment. Expressly excluded from this warranty are any type of external storage devices.

SEIT reserves the right to determine whether the damage to the connected equipment is due to SEIT product failure by requesting that damaged equipment be sent to SEIT for inspection. This policy is in excess of, and applies only to the extent necessary beyond, any coverage for the connected equipment provided by other sources, including, but not limited to, any manufacturer's warranty, extended warranty coverage and home owner's insurance

Note: The Data Recovery Policy does not apply to all products.