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 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. Excessive temperature, 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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>120 Vac Nominal</td>
</tr>
<tr>
<td>Frequency</td>
<td>47 - 63 Hz</td>
</tr>
<tr>
<td>Surge Protection</td>
<td>Full time</td>
</tr>
<tr>
<td>Frequency - On Battery</td>
<td>50 / 60 Hz</td>
</tr>
<tr>
<td>Transient Protection</td>
<td>5 ms minimum</td>
</tr>
<tr>
<td>AC Input</td>
<td>Full time</td>
</tr>
<tr>
<td>Type</td>
<td>Resettable circuit breaker</td>
</tr>
<tr>
<td>Net Weight</td>
<td>12.6 lb (5.7 kg)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>12 in x 7 in x 3 in</td>
</tr>
<tr>
<td>Length x Width x Height</td>
<td>30 cm x 18 cm x 9 cm</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>125º F to 108º F (0º C to 40º C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>5º F to 113º F (-15º C to 45º C)</td>
</tr>
<tr>
<td>Operating Relative Humidity</td>
<td>9% to 95% non-condensing humidity</td>
</tr>
<tr>
<td>Operating Elevation</td>
<td>0 to 10,000 ft (0 to 5000 m)</td>
</tr>
</tbody>
</table>

Connect the Battery

The Back-UPS is shipped with one battery cable disconnected. Remove the “Stop! Connect the Battery” label that covers the outlets. Prior to connecting any equipment to the unit, connect the battery cable to the unused battery terminal. It is normal for small sparks to be seen when the battery cable is connected to the battery terminal.

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

Connect the battery cable securely to the battery terminal.

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

Battery Backup + Surge Protection Outlets

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

Surge protection outlets provide protection from power surges or spikes.

Connect a printer, scanner or other peripheral devices that do not need to remain on during power outages, or AC problems to the surge protection outlets.

Connect Network

The Back-UPS protects connected equipment connected to a 10/100 Base-T ethernet, from power surges when connected through the Back-UPS data line protection jacks.

PowerChute™ Personal Edition Software

Overview

Use PowerChute Personal Edition software to configure the UPS settings. Protect your computer and other equipment during a power outage. During a power outage, PowerChute will save any open files on your computer and safely shut it down. When power is restored, it will restart the computer.

Configure the UPS to use features such as power-saving outlets, shutdown configuration, and alarms.

Monitor the UPS for power usage and power events. Note: PowerChute is only compatible with a Windows operating system. If you are using a Mac OS, use the native shutdown feature to protect your system. See the documentation provided with your computer.

Installation

Use a USB cable to connect the Data port on the rear panel of the UPS to the USB port on your computer.

If the Back-UPS came with a PowerChute CD, insert the CD into your computer and follow the on-screen instructions.

If the Back-UPS did not come with a PowerChute CD, go to www.apc.com and download the software free of charge.

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. If 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.

If the red Building Wiring Fault LED located on the side of the Back-UPS illuminates, do not operate the Back-UPS. Have a qualified electrician correct the building wiring fault.

Warranty

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 Schneider Electric IT (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.
Status Indicators

<table>
<thead>
<tr>
<th>Status</th>
<th>LED Indicator</th>
<th>Audible Indicator On</th>
<th>Audible Indicator Terminates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power On</td>
<td>The green LED illuminates.</td>
<td>None</td>
<td>N/A</td>
</tr>
<tr>
<td>Battery</td>
<td>The green LED illuminates. The LED is not illuminated during the beeps.</td>
<td>The Back-UPS beeps 4 times every 30 seconds.</td>
<td></td>
</tr>
<tr>
<td>Low Battery warning</td>
<td>The green LED illuminates with rapid green flashes.</td>
<td>The Back-UPS emits rapid beeping, every 1-2 second.</td>
<td></td>
</tr>
<tr>
<td>Replace Battery</td>
<td>None</td>
<td>Constant tone</td>
<td>Constant tone</td>
</tr>
<tr>
<td>Overload Shutdown</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Sleep Mode</td>
<td>The Back-UPS beeps once every four seconds.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building Wiring Fault</td>
<td>Building Wiring Fault LED illuminates red</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Troubleshooting

Problem and Possible Cause

The Back-UPS will not turn on

Solution

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

Refer to the "Connect the Battery" on page 1.

The Battery is disconnected.

Connect the Back-UPS to AC power and allow the battery to recharge for eight hours.

Connected equipment loses power

The Back-UPS has overloaded condition has occurred.

Remove all nonessential equipment connected to the outlets. One at a time reconnect equipment to the Back-UPS.

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 is completely discharged.

Connect the Back-UPS to AC power and allow the battery to recharge for eight hours.

PowerChute software has performed a shutdown due to a power failure.

This is normal Back-UPS operation.

The output waveform is intended for computers and peripheral devices. It is not intended for use with motor-driven equipment.

Contact SEIT Technical Support for more in depth troubleshooting.

The Power On LED is illuminated and the Back-UPS beeps 4 times every 30 seconds

Do not operate the Back-UPS. Call a qualified electrician to correct the building wiring fault.

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 battery is operating on battery power.

If at this point the user should save all open files, and shutdown the computer. When AC power is restored the battery will recharge.

The Battery Backup Fault LED illuminates

Do not operate the Back-UPS. Call a qualified electrician to correct the building wiring fault.

The Back-UPS has an inadequate battery runtime

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 website www.apc.com, to order replacement batteries.

The connection from the Back-UPS to the internet is lost during a power outage

Connect the modem cable into one of the Battery Backup + Surge Protection outlets.

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-amber-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 amber.

6. To select HIGH sensitivity, press and hold the ON/OFF button until the LED flashes red.

7. To exit Program mode wait five seconds and all LED indicators will extinguish. Program mode is no longer active.

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.


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.

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.

Select models are ENERGY STAR® qualified. For more information go to www.apc.com/site/recycle/index.cfm/energy-efficiency/energy-star/.

This UPS is certified to comply with California Battery Charger System regulations. For more information go to www.apc.com/site/recycle/index.cfm/energy-efficiency/ce-battery-charger/.