Connect Battery

For safety, the Back-UPS ES is shipped with one battery wire disconnected. The UPS will not operate until the wire is connected to the touch-safe battery terminal. NOTE: Small sparks may occur during battery connection. This is normal.

1. Turn the Back-UPS ES over and press in the two release tabs. Slide the plastic battery cover off the unit.

2. Connect the battery wire firmly to the battery terminal.

3. Insert the battery back into the compartment. Slide the plastic battery cover in place until the two tabs lock into place.

Connect Equipment

These outlets are powered whenever the Back-UPS ES is switched ON. During a power outage or other utility problems (brownouts, over-voltages), these outlets will be powered for a limited time by the Back-UPS ES. Plug your printer, fax machine, scanner, or other peripherals that do not need battery power into these outlets.

These outlets provide full-time protection from surges even if the Back-UPS ES is switched OFF. Plug your modem, CD-ROM drive and one other data-sensitive device (brownouts, over-voltages), these outlets will be powered for a limited time by the Back-UPS ES. Plug your printer, fax machine, scanner, or other peripherals that do not need battery power into these outlets.

Plug the Back-UPS ES power cord directly into a wall outlet; not a surge protector or power strip.

Connect Computer Cable

The supplied cable and software provide automatic file saving and shutdown of the operating system in the case of a sustained power outage.

Connect Modem / Phone / DSL / Cable Modem / CATV or DSS to Surge Protection

The Back-UPS protects a single line (2-wire) phone (including Digital Subscriber Line - DSL), Home Phoneline Networking Association (HPNA) type equipment,modem, 10/100Base-T Ethernet, or fax machines from surges when connected through the UPS as shown in the drawing below.

The UPS also protects a cable modem, CATV converter, or DSS receiver from surges when it is connected through the UPS coaxial connectors as shown below.

Power On and Install Software

Press the ON/OFF switch to power the unit ON.

A single short beep and the green “Power On” indicator confirms the Back-UPS ES is on and ready to provide protection.

The Back-UPS ES should charge for at least 16 hours to ensure sufficient runtime. The unit is being charged whenever it is connected to utility power, whether the unit is turned ON or OFF. If the red Building Wiring Fault indicator (located on the end near the power cord) is lit, your building wiring presents a shock hazard that should be corrected by a qualified electrician.

Install the PowerChute® Personal Edition software

Place the PowerChute Personal Edition CD-ROM into your computer and follow the installation instructions on the screen.

Status Indicators

The Back-UPS ES indicates operating status using a combination of visual and audible indicators. Use the following table to identify the status of the Back-UPS ES.

<table>
<thead>
<tr>
<th>Status</th>
<th>Visual Indicators</th>
<th>Audible Indication</th>
<th>Alarm Terminates When</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power On - UPS is supplying conditioned utility power to the load.</td>
<td>Power On LED - ON</td>
<td>None</td>
<td>Not applicable</td>
</tr>
<tr>
<td>On Battery - UPS is supplying battery power to the load connected to the Battery outlets.</td>
<td>Power On LED - ON</td>
<td>Beeping 4 times every 30 seconds</td>
<td>UPS transfers back to Power On operation, or when UPS is turned off</td>
</tr>
<tr>
<td>Low Battery Warning - UPS is supplying battery power to the load connected to the Battery outlets and the battery is near</td>
<td>Replace Battery LED flashing</td>
<td>Rapid beeping (every 1/2 second)</td>
<td>UPS transfers back to normal operation, or when UPS is turned off</td>
</tr>
<tr>
<td>Replace Battery - the battery is disconnected.</td>
<td>Replace Battery LED flashing</td>
<td>Constant tone</td>
<td>UPS turned off with the power switch</td>
</tr>
<tr>
<td>The battery is in need of charging or at the end of its useful life and must be replaced.</td>
<td>Replace Battery LED flashing</td>
<td>Constant tone</td>
<td>UPS turned off with the power switch</td>
</tr>
<tr>
<td>Overload Shutdown - During On Battery operation a battery power supplied outlet overload was detected</td>
<td>None</td>
<td>Constant tone</td>
<td>UPS turned off with the power switch</td>
</tr>
<tr>
<td>Sleep Mode - During On Battery operation the battery power has been completely exhausted and the UPS is waiting for utility power to return to normal.</td>
<td>None</td>
<td>Beeping once every 5 seconds</td>
<td>Utility power is restored or if utility power is not restored within 30 seconds, the UPS is turned off</td>
</tr>
<tr>
<td>Building Wiring Fault - Your building wiring presents a shock hazard that should be corrected by a licensed electrician.</td>
<td>Building Wiring Fault LED - ON</td>
<td>None</td>
<td>UPS is unplugged, or plugged into a properly wired outlet</td>
</tr>
</tbody>
</table>

See the Troubleshooting section for additional assistance.
Troubleshooting

Use the table below to solve minor Back-UPS ES installation or operation problems. Consult APC Online Technical Support or call APC Technical Support for assistance with problems that cannot be resolved using the table below.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back-UPS ES will not turn on.</td>
<td>Battery is disconnected or utility power is not available at the wall outlet.</td>
<td>Connect the battery (see Connect Battery) and ensure power is available at the wall outlet.</td>
</tr>
<tr>
<td>No power available at the Surge Protection outlets.</td>
<td>Surge Protection outlets have been overloaded. Utility power not available at the wall outlet.</td>
<td>Reduce the amount of equipment plugged into Surge Protection outlets. Ensure the fuse or circuit breaker for the outlet is not tripped, and that the wall switch controlling the outlet (if any) is in the ON position.</td>
</tr>
<tr>
<td>Connected equipment loses power.</td>
<td>Equipment is connected to the “Surge Protection” outlets. The Back-UPS ES is overloaded. PowerChute Personal Edition software has performed a shutdown due to a power failure.</td>
<td>Ensure the equipment you want to stay powered during a power failure is plugged into the ‘Battery Backup plus Surge Protection’ outlets and NOT the “Surge Protection” outlets. Make sure the equipment plugged into the outlets of the unit are not overloading its capacity. Try removing some of the equipment and see if the problem continues.</td>
</tr>
</tbody>
</table>

Specifications

Model BE750BB

Input

- Voltage: 120 Vrms Nominal
- Frequency: 50 - 60 Hz (auto-sensing)
- Brownout Transfer: 85 Vrms, typical

Output

- UPS Capacity (5 outlets): 750 VA / 450 W
- Over-voltage Transfer: 139 Vrms, typical
- Brownout Transfer: 88 Vrms, typical
- Total Amperage (10 outlets): 12 Amps (including UPS output)
- Frequency - On Battery: 50-60 Hz ± 1 Hz
- Transfer time: 6 ma typical, 10 ma maximum

Protection and Filter

- AC Surge Protection: Full time, 849 joules
- EMI/RFI Filter: Full time
- Cable/CATV/DSS Surge Protection: One coax input/output

Battery

- Type: Sealed, maintenance-free lead acid
- Average Life: 3 - 5 years depending on the number of discharge cycles and environmental temperature
- Physical Weight: 24 lb. (10.9 kg)
- Size: 4.88” (H) x 11.52” (W) x 8.46” (D) (124 x 295.5 x 215 cm)
- Operating Temperature: 32°F to 104°F (0°C to 40°C)
- Storage Temperature: +5°F to +131°F (-15°C to 55°C)
- Operating Relative Humidity: 0% to 95% non-condensing
- Operating Elevation: 0 to 10,000 ft (0 to 3,000m)

Safety/Regulatory

- UL 1772 listed, cUL certified per CSA standard C22.2 No. 107.1, NOM-001

EMC Compliance

- FCC part 68, FCC part 15 Class B
- Notice: 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.

Order Replacement Battery

Replace with an APC qualified battery. Replacement batteries can be ordered from www.apc.com (valid credit card required). Have your Back-UPS ES model number available when ordering. Your model number can be found on the bottom of the unit.

Warranty

The standard warranty is 2 years from the date of purchase. APC’s standard procedure is to replace the original unit with a factory reconditioned unit. Customers who must have the original unit back due to assigned asset tags and set depreciation schedules must declare such a need at first contact with APC Technical Support. APC will ship the replacement unit once the defective unit is received by the repair department or crossship upon the provision of a valid credit card number. The customer pays for shipping to APC, and APC pays ground freight transportation costs back to the customer.

Service

Please DO NOT RETURN Back-UPS ES to the place of purchase under any circumstances.

1. Consult the Troubleshooting section to eliminate common problems.
2. Verify the battery is connected (see Connect Battery) and that the Circuit Breaker is not tripped (see Troubleshooting section).
3. If you still have problems or questions, please contact APC via the internet or at one of the phone numbers listed below.
4. Before contacting APC, please be sure to record the date purchased, UPS model, and serial number (on bottom of unit).
5. Be prepared to troubleshoot the problem over the telephone with a Technical Support Representative. If this is not successful, the representative will issue a Return Material Authorization Number (RMA#) and a shipping address.
6. Pack the unit in its original packaging. If the original packaging is not available, ask APC Technical Support about obtaining a new set. Pack the unit properly to avoid damage in transit. Never use foam beads for packaging. Damage sustained in transit is not covered under warranty (insuring the package for full value is recommended).
7. Write the RMA# on the outside of the package.
8. Return the unit by insured carrier to the address given to you by APC Technical Support.

APC Contact Information

Online Technical Support: http://support.apc.com
Web Site: www.apc.com
USA/Canada: 1.800.800.4272
Mexico: +52.292.0253 / +52.292.0255
Brazil: +55.21.3322.2200
Worldwide: +1.401.789.5735