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3 OPERATING ENVIRONMENT

32 - 104 F (0 - 40 C)

4 CONNECT EQUIPMENT / POWER

5 CHECK BUILDING WIRING FAULT INDICATOR

If the rear panel Building Wiring Fault (red) indicator is lit, a potential shock hazard exists due to one of the following conditions:

- Open or high resistance ground
- Hot and Neutral polarities are reversed
- Overloaded neutral circuit

Improper building wiring should be corrected by a qualified electrician. Do not use the Back-UPS until the condition that caused the fault is corrected.

Note: Improper building wiring will not prevent the Back-UPS from operating, but it will limit its protection capability.

6 CONNECT MODEM/PHONE/FAX and TVSS Ground

If needed, the Back-UPS features a TVSS ground screw for connecting the ground lead of any additional stand alone surge suppression devices, such as an APC ProtectNet product; or any electronic device with an external ground connection.

8 SWITCH ON THE BACK-UPS

Note: Allow the Back-UPS to charge for a full 18 hours (XS 900) or 24 hours (XS 1200) prior to use.

Press the front panel Power ON/OFF switch and observe that the following events occur after pressing and releasing the switch:

- The green On Line indicator flashes.
- The yellow On Battery indicator lights while a Self-Test is being performed.
- When Self-Test has successfully completed, only the green On Line indicator will be lit.
- If the internal battery cartridge is not connected (see Step 2 above), the green On Line indicator and red Replace Battery indicators will light. The Back-UPS will also emit a chirping sound.

9 CONNECT DATA LINE AND INSTALL SOFTWARE ON COMPUTER (Optional)

1. Insert CD into computer, and on-screen instructions should appear automatically. Follow instructions to complete installation. **Note:** if the on-screen instructions do not appear automatically (Autoplay is disabled), then perform steps 2 and 3 below.
2. On the computer desktop of the display, double-click on My Computer.
3. Double-click on the CD-ROM drive icon and follow the on-screen instructions.

Installation of the included software is the only way to take advantage of the auto shutdown capabilities that Back-UPS offers.

STATUS INDICATORS, ALARMS and CIRCUIT BREAKER

There are four status indicators (lights) on the front panel of the Back-UPS (On Line, On Battery, Overload, and Replace Battery).

On Line (green) - is lit whenever utility power is powering the Battery Backup outlets.

On Battery (yellow) - is lit whenever the battery of the Back-UPS is powering equipment connected to the Battery Backup Outlets.

Four Beeps Every 30 Seconds - this alarm is sounded whenever the Back-UPS is running On Battery. Consider saving work in progress.

Continuous Beeping - this alarm is sounded whenever a low battery condition is reached. Battery run-time is very low. Promptly save any work in progress and exit all open applications. Shut down the operating system, computer and the Back-UPS.

Overload (red) - is lit whenever power demand has exceeded the capacity of the Back-UPS.

Continuous Tone - this alarm is sounded whenever the Battery Backup outlets are overloaded.

Replace Battery (red) - is lit whenever the battery is near the end of its useful life, or if the battery is not connected (see above). A battery that is near the end of its useful life has insufficient run-time and should be replaced.

Chirps for 1 Minute Every 5 Hours - this alarm is sounded whenever the battery has failed the automatic diagnostic test.

Circuit Breaker - the circuit breaker button located on the rear panel of the Back-UPS will stick out if an overload condition forces the Back-UPS to disconnect itself from utility power. If the button sticks out, disconnect non-essential equipment. Reset the circuit breaker by pushing the button inward.

TRANSFER VOLTAGE and SENSITIVITY ADJUSTMENT

In situations where the Back-UPS or connected equipment appears too sensitive to input voltage, it may be necessary to adjust the transfer voltage. This is a simple task requiring use of the front panel pushbutton. To adjust the transfer voltage, proceed as follows:

1. Plug the Back-UPS into the utility power source but do not turn the unit on. The Back-UPS will be in Standby Mode (no indicators lit).
2. Press and hold the front panel ON/OFF switch fully inward for 10 seconds, until all LED indicators on the Back-UPS flash to acknowledge it has entered Programming Mode. Release the ON/OFF button, and the Back-UPS's LEDs will flash per table below, indicating its current sensitivity setting.

Note: the Back-UPS automatically exits programming mode in 5 seconds if no buttons are pressed.

3. Use the table below to decide which Sensitivity setting is desired.

Indicators Flashing	Sensitivity Setting	Input Voltage Range (for utility operation)	Use When
1 (yellow)	Low	78 - 142 Vac	Input voltage is extremely low or high. Not recommended for computer loads.
2 (yellow, and red)	Medium (factory default)	88 - 139 Vac	Back-UPS frequently goes On Battery.
3 (yellow, red, and red)	High	88 - 136 Vac	Connected equipment is sensitive to voltage fluctuations.

4. To select the Low Sensitivity setting, press and hold the ON/OFF switch for 1-2 seconds (until beep is heard). Upon release, the yellow indicator will flash, indicating Low Sensitivity.
5. To select the Medium Sensitivity setting (the unit's default), press and hold the ON/OFF switch for 1-2 seconds (until beep is heard). Upon release, the yellow indicator will flash. Press and hold the ON/OFF button again for 1-2 seconds (until beep is heard). Upon release, the yellow and one red indicator will flash, indicating Medium Sensitivity.
6. To select the High Sensitivity setting, press and hold the ON/OFF switch for 1-2 seconds (until beep is heard). Repeat this two more times. Upon final release, the yellow and two red indicators (bottom three) will flash, indicating High Sensitivity.
7. The Back-UPS will automatically exit Programming Mode in five seconds, and is ready for use.

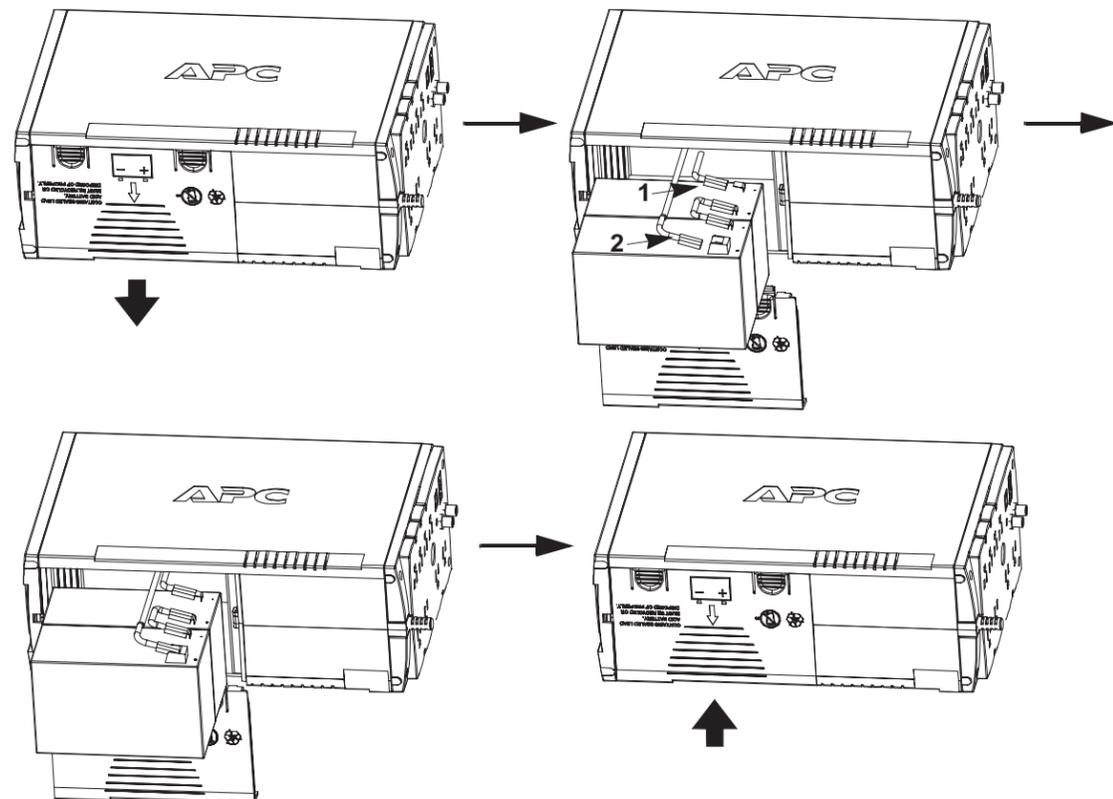
ORDER REPLACEMENT BATTERY

The battery cartridge typically lasts 3-6 years, shorter if subjected to frequent outages or elevated temperatures. For the XS 900, order part number **RBC5**, for the XS 1200, order **APCRBC109**. Please recycle spent battery cartridges.

TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
Back-UPS will not switch on.	Back-UPS not connected to AC power source.	Ensure the Back-UPS is securely connected to an AC outlet.
	Back-UPS circuit breaker "tripped".	Disconnect non-essential equipment from the Back-UPS. Reset (push in) the rear panel circuit breaker. Switch on the Back-UPS and plug in devices one at a time. If the circuit breaker trips again, disconnect the device that caused the breaker to trip.
	Internal battery is not connected.	Connect battery cartridge (see <i>Connect Battery Cartridge</i>).
	Utility input voltage quality is out of range.	Consider adjusting the transfer voltage and sensitivity. See <i>Transfer Voltage and Sensitivity Adjustment</i> .
Back-UPS does not power essential equipment during an outage.	Equipment was plugged into a Surge Only outlet.	Unplug device from 'Surge Only' outlet and move to a 'Battery Backup' outlet.
Back-UPS operates on battery although utility power exists.	The UPS's plug has partially pulled out of the wall outlet, wall outlet has been turned off, or its circuit breaker has tripped.	Verify the UPS's plug is fully inserted into the wall, and that power is present at the wall outlet.
	Unit is in the midst of performing an automatic self test.	No action is necessary.
	Utility input voltage is out of range, frequency is out of range or the wave form is distorted.	Consider adjusting the transfer voltage and sensitivity. See <i>Transfer Voltage and Sensitivity Adjustment</i> .
Back-UPS does not provide expected backup time.	Back-UPS is heavily loaded.	Unplug non-essential equipment (printers, scanners, etc) from the Battery Backup outlets and plug into 'Surge Only' outlets.
	Back-UPS battery cartridge is discharged due to recent power outage and has not had time to recharge.	Charge the battery cartridge for 18 hours (XS 900) or 24 hours (XS-1200). Back-UPS runtime is reduced until the battery cartridge is fully charged.
	Battery has reached the end of its life.	Replace battery cartridge (see <i>Order Replacement Battery Cartridge</i>).
Red Replace Battery indicator is on.	Battery has reached the end of its life.	Refer to <i>Replace Battery Cartridge</i> , and replace the battery cartridge.
Red Overload indicator is on or flashing.	Connected equipment is drawing more power than the Back-UPS can provide.	Move one or more equipment power plugs from Battery Backup outlets to Surge Only outlets.
Green On Line indicator is on and all other front panel indicators are flashing.	Internal UPS fault.	Contact APC Technical Support (see <i>Contact Information</i>).

REPLACE BATTERY CARTRIDGE



SPECIFICATIONS

Item	900 VA	1200 VA
On-line Input Voltage Range (default settings)	88 - 139 VAC	
Automatic Voltage Regulation (AVR)	+12% (Boost Only)	
On-line Frequency Range	57 - 63 Hz (Autosensing)	
On-battery Waveshape	Stepped Sine Wave	
Maximum Load	900 VA: 540 W	1200 VA: 720 W
Typical Recharge Time	900 VA: 18 Hours	1200 VA: 24 Hours
Operating Temperature	32° to 104°F 0° to 40°C	
Storage Temperature	23° to 113°F -5° to 45°C	
Operating / Storage Relative Humidity	0 to 95% non-condensing	
Size (H x W x D)	8.7 inch X 5.1 inch X 13.8 inch 220 mm X 130 mm X 350 mm	
Weight	900 VA: 27.5 lbs (12.5 kg)	1200 VA: 29.7 lbs (13.5 kg)
Shipping Weight	900 VA: 31.0 lbs (14.1 kg)	1200 VA: 33.2 lbs (15.1 kg)
EMI Classification	FCC / DOC Class B Certified	
On Battery Run-Time	See http://www.apc.com/product	
Approvals	CSA NRTL/C, NOM	
Notice: This device complies with part 68 and 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.		
On the bottom of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this information must be provided to the telephone company.		

LIMITED WARRANTY

The standard warranty is three (3) 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 the assignment of asset tags and set depreciation schedules must declare such a need at first contact with an APC Technical Support representative. APC 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 APC. APC pays ground freight transportation costs to ship the replacement unit to the customer.

SERVICE

If the Back-UPS arrived damaged, notify the carrier.

If the Back-UPS requires service, do not return it to the dealer. The following steps should be taken:

1. Consult the Troubleshooting section to eliminate common problems.
2. If the problem persists, go to <http://www.apc.com/support/>.
3. If the problem still persists, contact APC Technical Support.
 - Have the Back-UPS model number, serial number and date of purchase available. Be prepared to troubleshoot the problem with an APC Technical Support representative. If this is not successful, APC will issue a Return Merchandise Authorization (RMA) number and a shipping address.

CONTACT INFORMATION

Technical Support	http://www.apc.com/support
Internet	http://www.apc.com
USA / Canada	1.800.800.4272
Mexico	292.0253 / 292.0255
Worldwide	+1.401.789.5735