

SPECIFICATIONS

| 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. |
| | Utility input voltage quality is out of range. | Consider adjusting the transfer voltage and sensitivity. See Transfer Voltage and Sensitivity Adjustment. |
| | Internal battery cartridge is not connected. | Connect battery cartridge (see Connect Battery Cartridge). |
| Back-UPS does not power essential equipment during an outage. | Equipment 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. | Back-UPS circuit breaker "tripped". | Disconnect non-essential equipment from the Back-UPS. Reset (push in) the rear panel circuit breaker. Switch the Back-UPS on and plug equipment in one-at-a-time. If the circuit breaker trips again, disconnect the device that caused the breaker to trip. |
| | Utility input voltage quality is out of range. | Consider adjusting the transfer voltage and sensitivity. See Transfer Voltage and Sensitivity Adjustment. |
| 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 8 hours. Back-UPS runtime is reduced until the battery cartridge is fully charged. |
| | Battery has reached the end of its life. | Replace battery cartridge (see Order Replacement Battery Cartridge). |
| Red Replace Battery indicator is flashing. Green On Line indicator is on. | Internal battery cartridge is not connected. | Connect battery cartridge (see Connect Battery Cartridge). |
| Red Replace Battery indicator is Battery has reached the end of its life. | | Replace the battery cartridge (see Order Replacement 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. | | Contact APC Technical Support (see Contact Information). |

ORDER REPLACEMENT BATTERY CARTRIDGE

The battery cartridge typically lasts 3-6 years, shorter if subjected to frequent outages or elevated temperatures. Order part number **RBC32**. Please recycle spent battery cartridges.

REPLACE BATTERY CARTRIDGE



| Item | Specification | | | |
|---|---|--|--|--|
| On-line Input Voltage Range (default settings) | 176 - 294 Vac | | | |
| Automatic Voltage Regulation (AVR) | <u>+12%</u> | | | |
| On-line Frequency Range | 47 - 63 Hz (autosensing) | | | |
| On-battery Waveshape | Stepped Sine Wave | | | |
| Maximum Load | 800 VA - 540 W | | | |
| Typical Recharge Time | 8 Hours | | | |
| Operating Temperature | 0° to 40°C | | | |
| | (32° to 104°F) | | | |
| Storage Temperature | -5° to 45°C | | | |
| | (23° to 113°F) | | | |
| Operating / Storage Relative Humidity | 0 to 95% non-condensing | | | |
| Size (H x W x D) | 23 x 10 x 32 cm | | | |
| | (9 x 4 x 12.75 inch) | | | |
| Weight | 9.3 kg (20.5 lbs) | | | |
| Shipping Weight | 9.9 kg (22 lbs) | | | |
| EMI Classification | EN 50091-1, EN 60950, EN 50091-2, EN 61000-3-2, EN 6100-3-3, EN 55022 Class B | | | |
| On Battery Run-Time | See http://www.apc.com/product | | | |

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. The Back-UPS will be in a Standby Mode (no indicators lit).
- 2. Press the front panel pushbutton fully inward for 10 seconds. All indicators on the Back-UPS will flash to acknowledge going into Programming Mode.
- 3. The Back-UPS will then indicate its current Sensitivity Setting, as shown in the following table.

| Indicators Flashing | Sensitivity Setting | Input Voltage Range (for utility operation) | Use When |
|-----------------------------------|-----------------------------|--|---|
| l (yellow) | Low | 156 - 300 Vac | Input voltage is extremely low or high. Not recommended for computer loads. |
| 2 (yellow, and red) | Medium (factory default) | 176 - 294 Vac | Back-UPS frequently goes On Battery. |
| 3 (yellow, red, and red) | High | 176 - 288 Vac | Connected equipment is sensitive to voltage fluctuations (recommended). |

To select the Low Sensitivity setting, press the pushbutton until the yellow indicator is flashing.

- 5. To select the Medium Sensitivity setting, press the pushbutton until the yellow and red indicators (second and third from the top) are flashing.
- 6. To select the High Sensitivity setting, press the pushbutton until yellow and both red indicators (bottom three) are flashing.
- 7. To exit without changing the Sensitivity Setting, press the pushbutton until the green indicator is flashing.
- 8. Once in Programming Mode, if the pushbutton is not pressed within 5 seconds, the Back-UPS will exit Programming Mode; all indicators will extinguish.

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:

- . 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.
- 4. 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.

LIMITED WARRANTY

The standard warranty is two (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 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 unit to the customer.

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 |
| Brazil | 0800.12.72.1 |
| Worldwide | +1.401.789.5735 |