Replacement Battery Installation

For Use with ON Series® Conditioned UPSs

Standard
Rackmount
Wallmount
Universal Mount

ONEAC
A CHLORIDE POWER PROTECTION COMPANY

ON Series Replacement Battery Installation

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS.

Please read and save these instructions. This manual contains important instructions for the replacing batteries. Follow these instructions during the unpacking, installation and maintenance of the product. If you have a problem with the product, please refer to this manual before calling ONEAC Technical Services.

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Introduction

ONEAC battery packs can be replaced without turning off the power or disrupting the protected equipment.

This document provides instructions for replacing battery packs in the ONEAC ON Series UPS products.

After replacing the batteries in the ON Series UPS products, the LED display should give the % load the UPS is supporting. If the LED displays a “C4” code, the batteries are in the process of charging. If the code does not charge within 4 to 8 hours, contact ONEAC Technical Support.

Technical Support

ONEAC offers 24-hour technical support. To contact ONEAC Technical Services:

- North America: (847) 816-6000, option 3
  or toll free (800) 327-8801, option 3.
- Europe: +44 (0) 1235 861962
- email: ts@oneac.com.

Please check with ONEAC Technical Services before attempting to repair or return any ONEAC product. If an ONEAC product needs repair or replacement, ONEAC Technical Services will issue a Return Material Authorization (RMA) number along with instructions on how to return the product.

Standard Units

ON400, ON600, ON900, ON1300, ON2000, ON2200

To replace a battery pack in a standard UPS, remove the front cover of the unit by pushing down on the front panel approximately 1/8 in. (3 mm) and tilting the top away from the unit. Squeeze and unlatch the wire retainer from the upper casing. Squeeze both sides of the plug to unplug the battery enclosure(s).

Insert the new battery pack into the UPS with the molded cover facing into the unit. Rest the wires over the top of the battery with the plug kept toward the front. Once the battery pack is in place, insert the plug and attach the wire retainer and front cover. (ON400 shown below.)

See “Returning Depleted Batteries” on page 9. for instruction on returning depleted battery pack(s) to ONEAC.

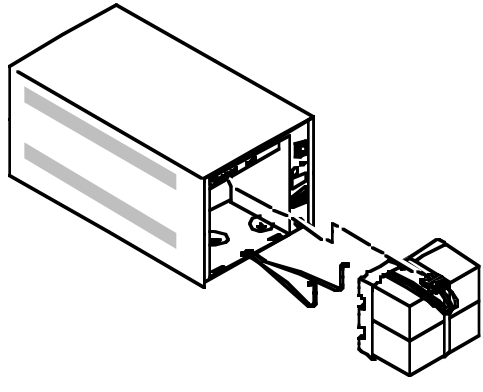

Fig. 1: Battery Replacement for Standard UPS

Rack-mounts

ON600, ON900, ON1300, ON2000

To replace the battery pack in a rack-mount unit, remove the battery cover by pushing down on the indented latch approximately 1/8 in. (3 mm). Tilt the cover away from the front panel.

Squeeze and unlatch the wire retainer from the casing. Squeeze both sides of the plug to unplug the battery pack(s).

Insert the new battery pack into the UPS with the molded cover toward the front. Once the battery pack is in place, insert the plug and attach the wire retainer and front cover.

See “Returning Depleted Batteries” on page 9. for instruction on returning depleted battery pack(s) to ONEAC.

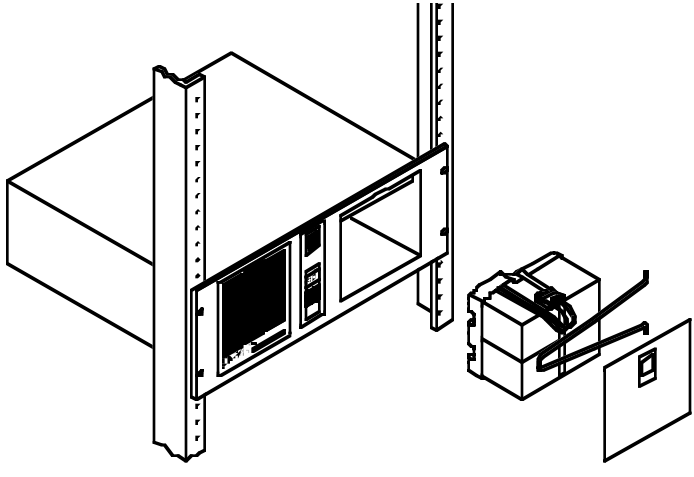

Fig. 2: Battery Replacement for Rack-mount UPS

Wall-mount

ON400, ON600

To replace the battery pack in the wall-mount battery enclosure, remove the front cover of the unit by pushing down on the front panel approximately 1/8 in. (3 mm) and tilting the top away from the unit. Remove the screw from the inside cover and remove the inside cover by lifting it away from the UPS. Squeeze both sides of the plug to unplug the battery pack.

Insert the new battery pack into the UPS with the molded cover at the top. Rest the wires at the front and to the left of the battery. Once the battery pack is in place, insert the plug and refit the inside cover with the screw. Attach the front cover.

See “Returning Depleted Batteries” on page 9. for instruction on returning depleted battery pack(s) to ONEAC.

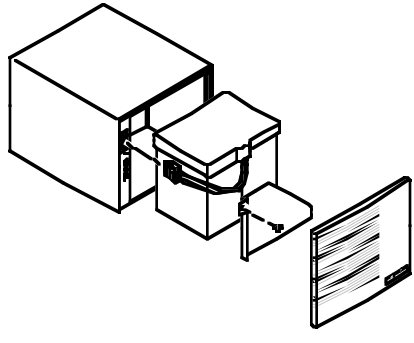

Fig. 3: Battery Replacement for Wall-mount UPS

Universal Mount

Determine if your unit has a plastic or metal front bezel and follow the appropriate instructions below.

Plastic Front Bezel

Universal Mount ON700, ON1000 and ON1500

To replace the battery pack in the universal mount unit with a plastic front bezel:

1. Slide the front bezel to the left (bottom) and then pull away from the UPS to remove (fig. 4)

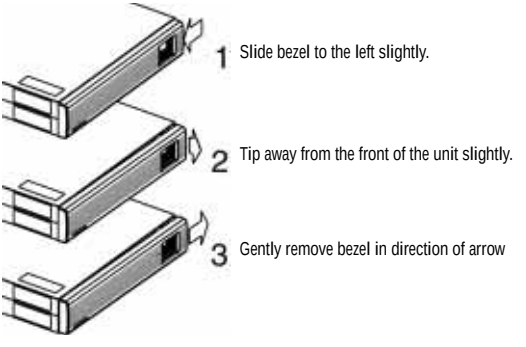

Fig. 4: Removing the UPS Front Bezel

2. Once the bezel is removed, unscrew the two thumb screws on the battery retention plate located on the left (bottom) side of the unit (fig. 5) and remove the plate.

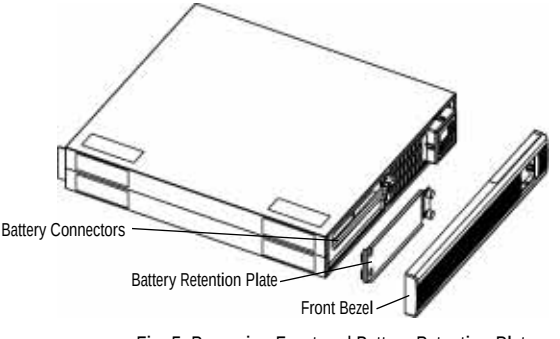

Fig. 5: Removing Front and Battery Retention Plate

3. Disconnect the battery from the UPS by grasping and pulling the battery connectors straight out.
4. Slide battery out (fig. 6).

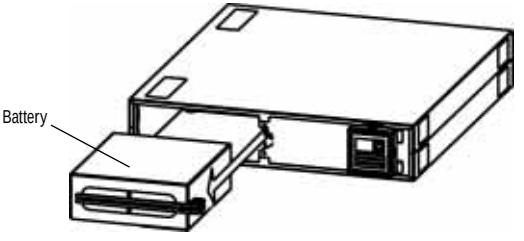

Fig. 6: Removing the Battery

5. Slide new battery into the UPS and reconnect the battery connector (fig.7). The battery connector is polarized and will only fit one way. Make sure it is completely installed.

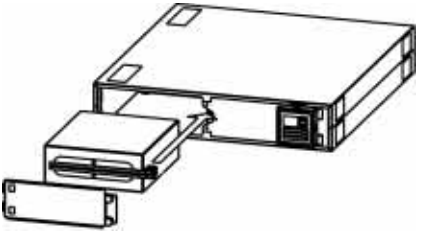

Fig. 7: Replacing the Battery

6. Replace and secure the battery retention plate with the thumb screws.
7. Replace the front bezel by reversing all three steps in figure 4.

NOTE: *Do not replace the front bezel without first securing the battery retention plate.*

Universal Mount ON2000

Battery replacement procedure is the same as for the ON700, ON1000 and ON1500 units above. However, there are two sets of batteries, each located behind the front bezels on the ON2000 UPS (fig. 8).

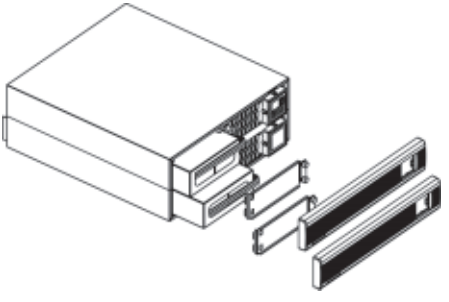

Fig. 8: Battery Replacement for ON2000 UPS

NOTE: *Both sets of batteries must be replaced at the same time to ensure proper operation and expected runtimes.*

See “Returning Depleted Batteries” on page 9. for instruction on returning depleted battery pack(s) to ONEAC.

Metal Front Bezel

ON700 and ON1000

To replace the battery pack in the universal mount unit with a metal front bezel:

1. Remove the two black screws from the left or bottom (vent) side of the front bezel.
2. Slide the bezel to the left (bottom) slightly and then pull away from the UPS to remove.

3. Once the bezel is removed, remove the four retaining screws from the battery retention plate located on the left (bottom) side of the unit (fig. 9).

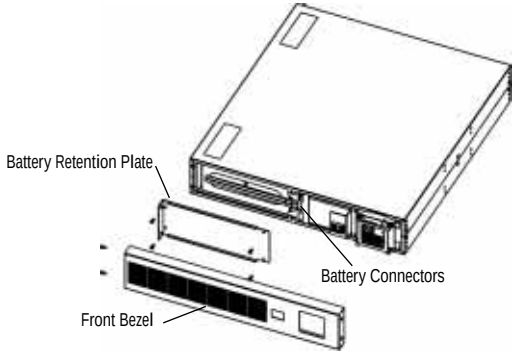

Fig. 9: Replacing Battery Pack

4. Disconnect the battery from the UPS by grasping and pulling the battery connectors straight out.
5. Slide battery out.

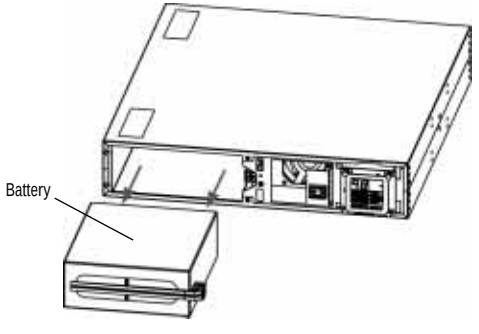

Fig. 10: Battery Removed

6. Slide new battery into the UPS and reconnect the battery connector. The battery connector is polarized and will only fit one way. Make sure it is completely installed.

7. Replace and secure the battery retention plate with the screws removed in step 2.
8. Replace the front bezel by placing it squarely on the front and sliding to the right (top) and replace the two screws removed in step 1.

NOTE: *Do not replace the front bezel without first securing the battery retention plate.*

Returning Depleted Batteries

ONEAC provides pre-paid return for depleted batteries with all replacement battery purchases. Just follow these simple steps:

1. Remove the new battery pack and install it in the ONEAC unit as per the installation instructions. Put the UPS A.R.S label aside.
2. After the battery pack has been replaced, place the depleted battery pack in the box the same way the replacement was packaged and seal the box.
3. Follow the return instructions on the back of the attached UPS A.R.S. label and affix to the box.
4. To return to ONEAC for proper recycling (at no cost to you), give the box to any UPS pick-up driver or call 1-800-742-5877 for the nearest drop-off location.

ONEAC Corporation, a wholly owned subsidiary of Chloride Group, PLC was founded in 1979. ONEAC designs and manufactures products that provide the highest level of protection against power and data line disturbances, regardless of conditions. ONEAC's comprehensive product lines include power conditioners, uninterruptible power supplies, DC power solutions and voice & data line protection devices. With ISO9001 certified manufacturing plants in the U.S. and U.K., ONEAC is dedicated to demand-flow manufacturing and the highest quality standards.

Organizations whose productivity goals allow no possibility for system downtime use ONEAC. They include many of the world's leading companies, in a wide range of applications including telecommunication systems, information technology, retail information systems, computer-integrated manufacturing systems, semiconductor test equipment and biomedical instrumentation and information systems. Information on ONEAC products and services is available on the Internet at www.oneac.com.

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