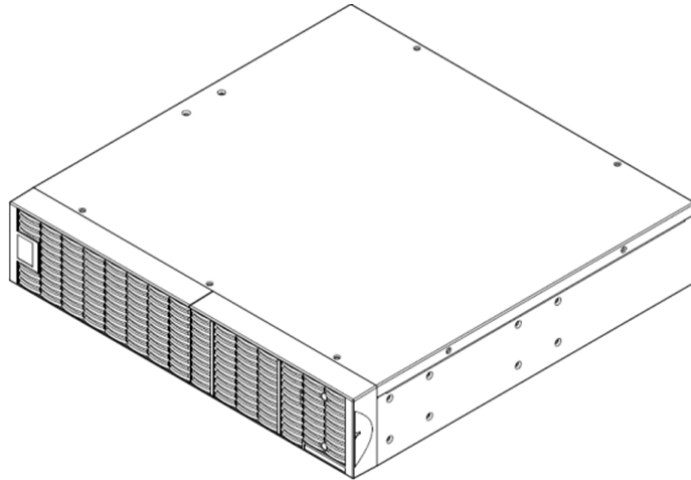


QUICK START GUIDE  
**EXPANSION BATTERY PACK**  
UPS-OLEBPR-1 | UPS-OLEBPR-2



## THANK YOU

Thank you for purchasing a UPS-OLEBPR expansion battery pack. Please read these instructions thoroughly before installing this product.

## PRODUCT FEATURES

- Add additional runtime to an online series UPS
- Connect up to 10 expansion battery packs to a single UPS
- Plug and play operation.

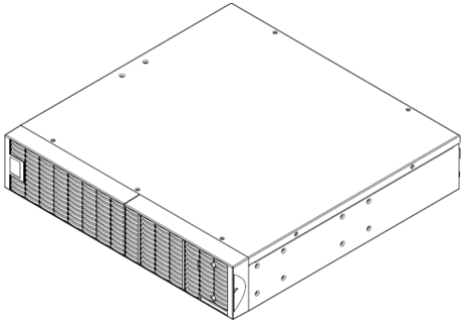
Access the following link or QR code to download the latest version of the Power Manager software and the UPS-OLEBPR User Manual:

[www.middleatlantic.com/downloads](http://www.middleatlantic.com/downloads)

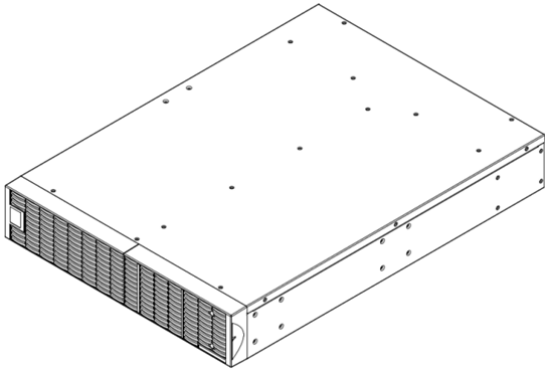


April, 2016 I-00792 Rev -

# UNPACKING



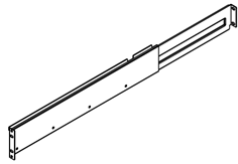
1.5/2/3KVA Battery pack



Quick Start Guide



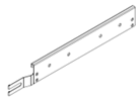
Rackmount Left Rail



Rackmount Right Rail



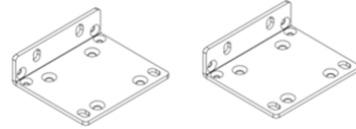
Left Hanging Bracket



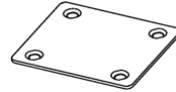
Right Hanging Bracket



Power cord



Rackmount ears (2)



Tie plate (1)



Flat head screws: M5x7L (8)



Pan head screws: M5x12L (4)



Pan head screws: M5x6L (6)



Pan head Screws: 10-32x1/2L (12)



Screw hole dust covers (12)



Rubber feet (12)

# HARDWARE INSTALLATION

## Rackmount Installation

**WARNING:** Unplug and allow the equipment to fully discharge before performing installation steps.

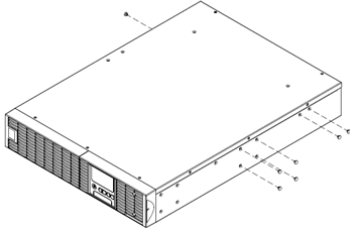
**AVERTISSEMENT:** Débranchez et laissez l'appareil se décharger complètement avant de réaliser les étapes d'installation.

**WARNING:** For safety instructions, refer to the "UPS-OLEBPR User Manual" via the link or QR code provided on the first page of this guide.

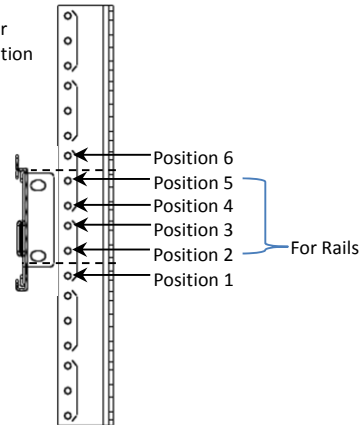
**AVERTISSEMENT:** Pour obtenir des instructions de sécurité, se reporter à la "UPS-OLEBPR User Manual" via le lien ou le code de QR fourni sur la première page de ce guide.

**NOTE:** Some rackmount steps are pictured with the Online UPS. The rackmount mounting procedure is the same for both products.

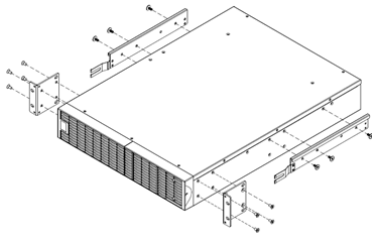
1. Turn off and unplug the unit.
2. Remove the (7) dust covers by prying them from the screw holes.



2U Rear Installation



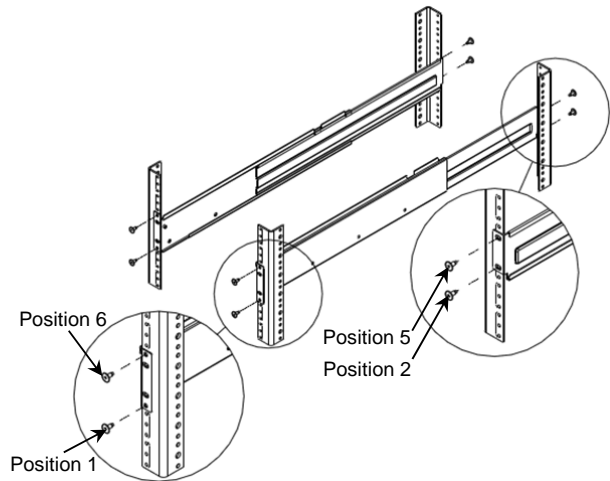
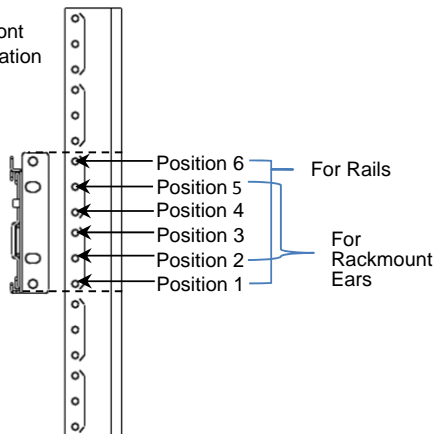
3. Install (2) rackmount ears using (8) M5x7L flat head screws. Also, install (2) hanging brackets using (6) M5x6L pan head screws.



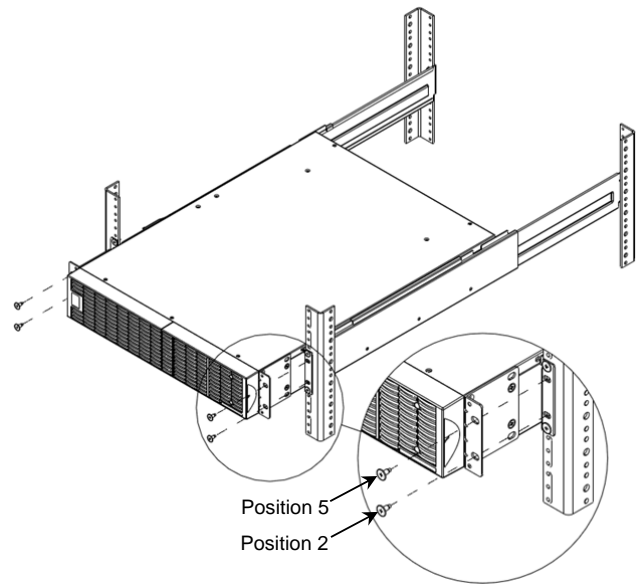
5. Adjust the rackrail depth within specified mounting ranges from step 4. Attach the rackmount rail to your rack with (8) 10-32x1/2L screws and (2 screws for both front and back and for each rail). Tighten all screws.

4. Install your rackmount rails. The rails adjust to mount in 48cm (19") panel racks from 52 to 91.5cm (20.5 to 36") deep. Select the proper holes in the rack for positioning the battery pack in the rack. The battery pack takes up positions 1 through 6.

2U Front Installation



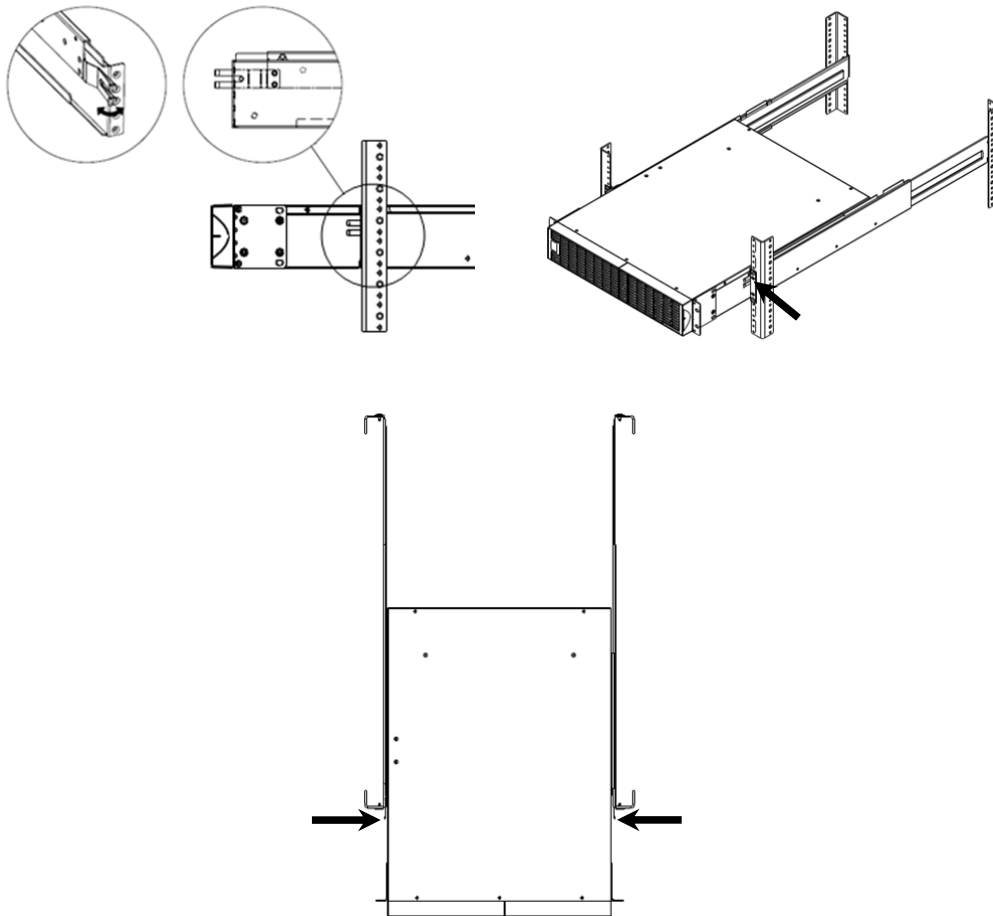
- Slide hanging brackets on the battery pack into the rails mounted in the rack with the front of the unit facing you. Secure the battery pack to your rack with (4) 10-32x1/2L screws on the front of the rack (located in positions 2 and 5).



- Once completed, perform the same steps for the UPS.

**Sliding Out the Battery Pack from the Rackrail**

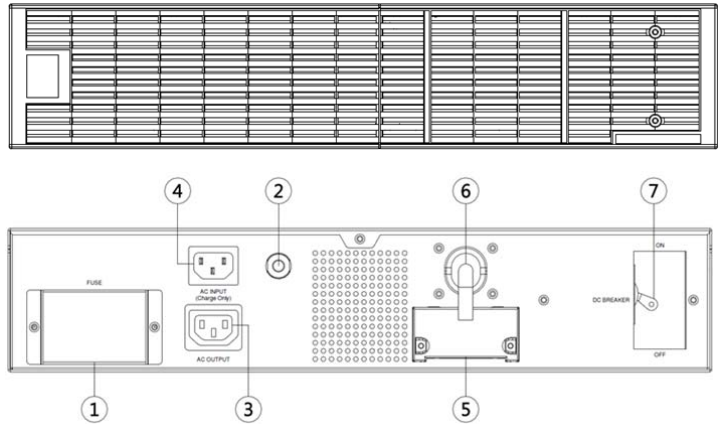
- Turn off and unplug the unit.
- The battery pack is secured from being pulled out of the rack any further than its mid-length by a safety lock mechanism. Use both hands to hold the battery pack and press the safety locking tabs to pull the battery pack out of the rack.



# BASIC OPERATION

## Battery Pack Front/Rear Panel Description

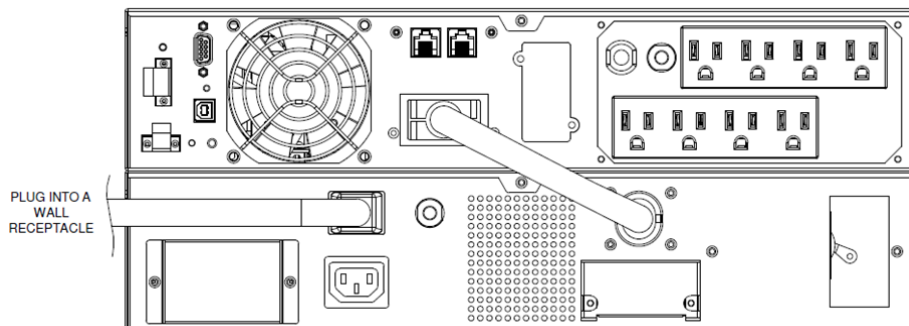
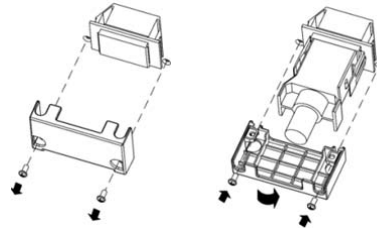
- 1. On-board Replaceable Fuse Cover:**  
Replaceable fuse is accessible from the rear panel. It must be done by qualified personnel.
- 2. AC Circuit Breaker:**  
Provides overload and fault protection.
- 3. AC Output Outlet:**  
Use this outlet to connect to the AC Input Inlet of a downstream battery pack.
- 4. AC Input Inlet (Charge Only):**  
AC power connectivity to wall receptacle.
- 5. Input Connector:**  
Use this input connector to series connect another battery pack. Remove the connector cover for access.
- 6. Output Cable:**  
Use this output cable to connect the battery pack to the UPS or another battery pack.
- 7. DC Breaker:**  
Use the DC breaker to disconnect battery output.



UPS-OLEBPR-2 / UPS-OLEBPR-1

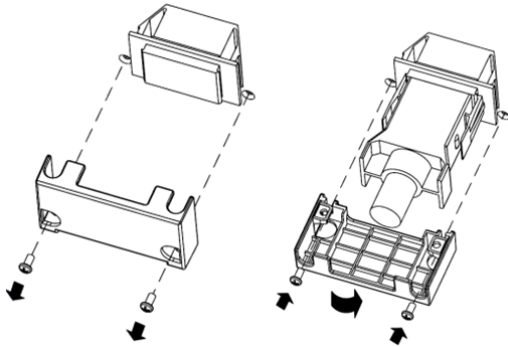
## UPS With One Battery Pack Connected

1. Turn off the DC breaker of the battery pack.
2. Loosen the two screws to remove the battery cable retention bracket of the UPS.
3. Use the output cable of the battery pack to connect the battery pack to the UPS.
4. Rotate the battery cable retention bracket and tighten the two screws to fix battery cable.
5. Use a power cord to plug AC input inlet of the battery pack into a wall receptacle.
6. Turn on the DC breaker of the battery pack.



**UPS With Multiple Battery Packs Connected**

1. Connect the 1<sup>st</sup> battery pack to the UPS using the previous instructions. For more information, see “UPS With One Battery Pack Connected” on page 5.
2. Turn off the DC breaker of the 2<sup>nd</sup> Battery module.
3. Loosen the two screws to remove the battery cable retention bracket of the 1<sup>st</sup> battery pack.
4. Use the output cable of the 2<sup>nd</sup> battery pack to connect the 2<sup>nd</sup> battery pack to the 1<sup>st</sup> battery pack.
5. Rotate the battery cable retention bracket and tighten the two screws to fix battery cable.
6. Use a power cord to plug AC input inlet of the 2<sup>nd</sup> battery pack into AC output outlet of the 1<sup>st</sup> battery pack.
7. Turn on the DC breaker of the 2<sup>nd</sup> Battery module.



**External Battery Pack Configuration**

The UPS can be configured to reflect the correct estimated runtimes for the number of battery packs installed by using the LCD Control Panel to select the number of battery packs installed.

1. Press the “ENTER” button to activate the “MAIN MENU”.
2. Press the “▲” and “▼” buttons to scroll to the “Configure” option.
3. Press the “ENTER” button to select the “Configure” submenu.
4. Press the “▲” and “▼” buttons to scroll to the “EBM Number” option.
5. Press the “ENTER” button to select the “EBM Number” submenu.

The first configuration number will be displayed on the second column of LCD display.

6. Press the “▲” and “▼” buttons to scroll through the number of attached battery packs.
7. Press the “ENTER” button to select the number of battery packs installed.

You may be prompted to save the selection, if so press the “ENTER” button to save the setting.

8. Press the “ESC” button to cancel or return to the previous LCD menu.

Configure Submenu	Available Settings	Default Settings
EBM Number	= [0] [1] [2] [3] [4] [5] [6] [7] [8] [9] [10]	0

## MAINTENANCE

### Storage

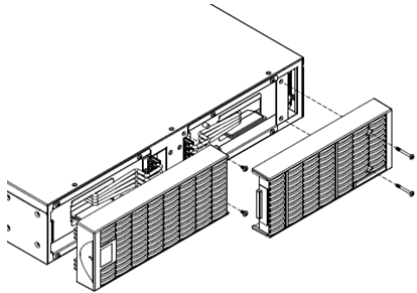
Cover your battery packs and fully charge them when storing for an extended period of time. Recharge the batteries every three months to ensure their full capacity and maintain the longest possible battery life

### Replacement Batteries

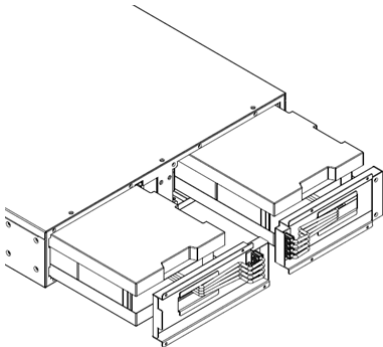
Please refer to the front side of the battery pack for the model number of the correct replacement batteries. Contact technical support at 1-800-266-7225 for more information about Middle Atlantic Product's Battery Replacement Program.

### Battery Replacement

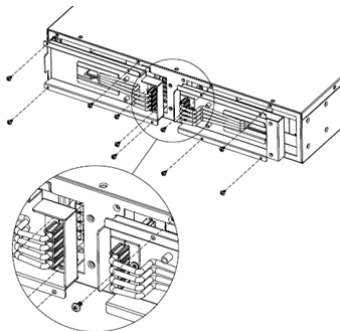
1. Power off the unit and disconnect it from its AC power source.



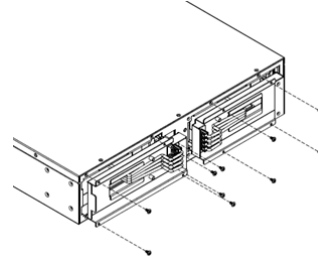
2. Remove the front panels.



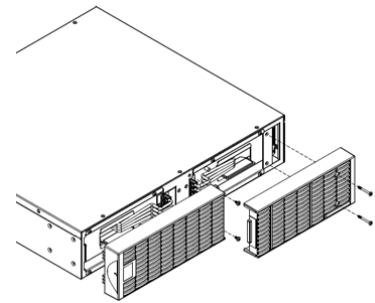
4. Pull the battery tray out slowly and then put the new battery tray back into the compartment.



5. Fasten back the connectors on the battery retaining cover. Then insert the battery connectors and tighten the screws of battery retaining cover.



3. Remove the retaining screws from the cable protection cover and then remove the cover itself.



6. Reinstall the front panels.

### Battery Disposal

Batteries are considered hazardous waste and must be disposed of properly. Contact your local government for more information about proper disposal and recycling of batteries. Do not dispose of batteries in fire.

Middle Atlantic Products encourages environmentally sound methods for disposal and recycling of its UPS products. Please dispose and/or recycle your UPS and batteries in accordance to the local regulations of your state.

## WARRANTY

Middle Atlantic Products, Inc. (the "Company") warrants the product to be free from defects in material or workmanship under normal use and conditions for a period of (3) three years from date of shipment by the Company.

The Company's entire liability to the purchaser, and the purchaser's (or any other party's) sole and exclusive remedy, under this warranty shall be limited, at the Company's option, to either (a) return of and refund of the price paid for, or (b) repair or replacement at the Company's factory of the products purchased, or any part or parts thereof, which the Company has determined to be defective after inspection thereof at the Company's factory. This warranty does not cover damage due to acts of God, accident, misuse, abuse or negligence by parties other than the Company, or any modification or alteration of the products. In addition, this warranty does not cover damage due to improper handling, assembly, installation or maintenance.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF THE PRODUCTS PURCHASED, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE COMPANY'S LIABILITY TO THE PURCHASER (OR ANY OTHER PARTY) HEREUNDER, IF ANY, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCTS PAID TO THE COMPANY.

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### **Factory Distribution**

USA: NJ – CA – IL Canada: ON - BC

**At Middle Atlantic Products we are always listening. Your comments are welcome.**

**Middle Atlantic Products is an ISO 9001 and ISO 14001 Registered Company.**