

Symmetra® LX

Physical Installation Guide

Tower Extended Run Cabinet

For use with Symmetra LX UPS Models:

200V, 4–8 kVA	200V, 4–16 kVA
208/240V, 4–8 kVA	208/240V, 4–16 kVA
220/230/240V, 4–8 kVA	220/230/240V, 4–16 kVA

Important Safety and Installation Instructions

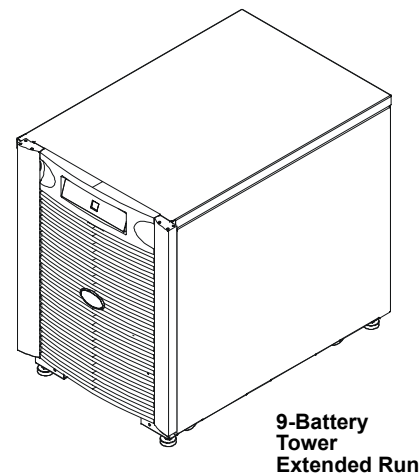
This guide is applicable for the 9-battery Symmetra LX tower extended run cabinet. It provides extended run time for the Symmetra LX tower UPS models.

See and retain the product documentation shipped with your system for other important installation, operation and maintenance instructions.

Illustrations are representative. Your Symmetra LX configuration, including components and optional APC equipment, may be different from the models shown in this guide.

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Physical Installation



Read, understand and follow ALL safety instructions contained in the Symmetra LX Safety Instructions and General Information Guide. Failure to follow safety instructions and warnings could result in equipment damage, serious injury, or death.



Two people are required to lift or transport the Extended Run Cabinet due to its weight.



Extended run cabinets and battery modules are heavy. Forklifts may assist in transporting pallets. Mechanical assistance may be necessary for installation in upper rack locations.

① Unpack Equipment

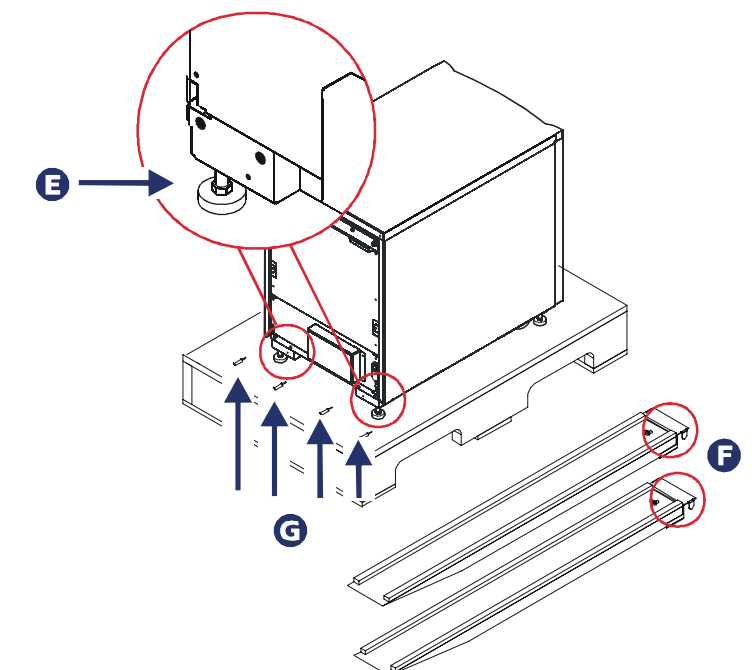
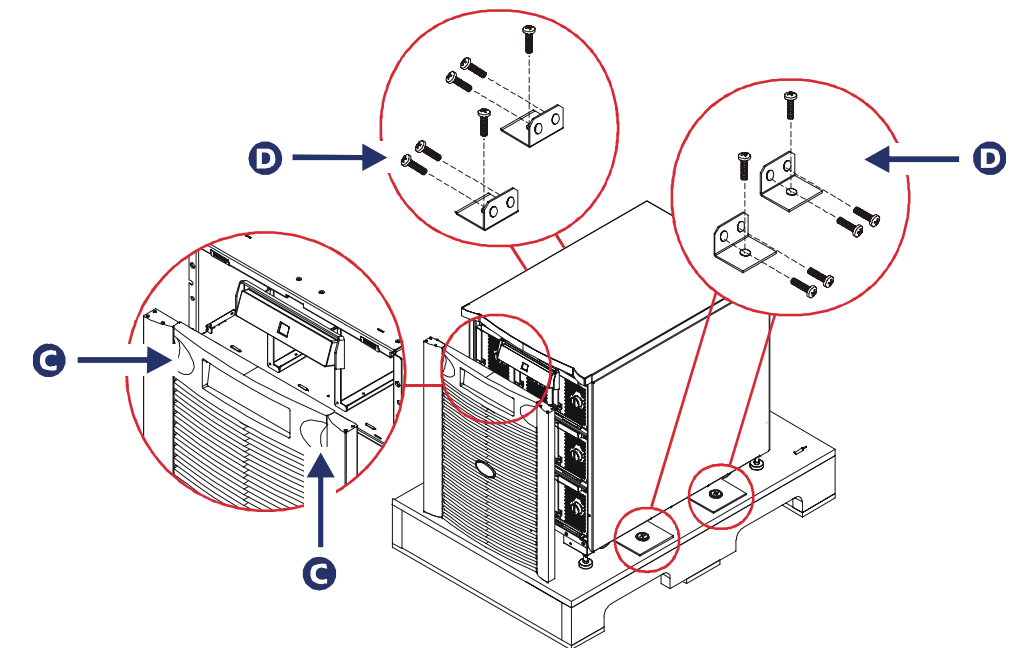
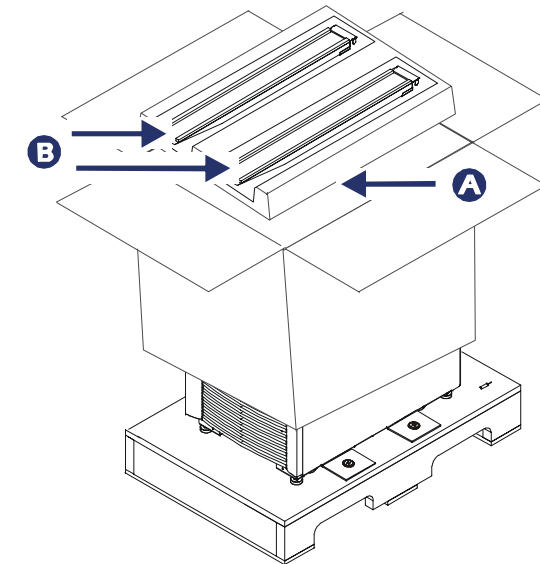
- 1.1 Remove the straps and open the cardboard box.
- 1.2 Remove the foam partition **A** and ramps **B**.
- 1.3 Remove the cardboard box from the pallet.

② Remove Door and Shipping Brackets

- 2.1 Remove the door.
 - Grab onto the door at the tabs **C**, gently pull forward to release the top of the door from the frame, lift and remove.
- 2.2 Remove the bolts and shipping brackets **D** securing the unit to the pallet.
- 2.3 Retain the bolts and shipping brackets if reusing them to bolt the unit to the floor. (See *Optional Seismic Anchoring* in this document.)

③ Transport Equipment to Installation Site

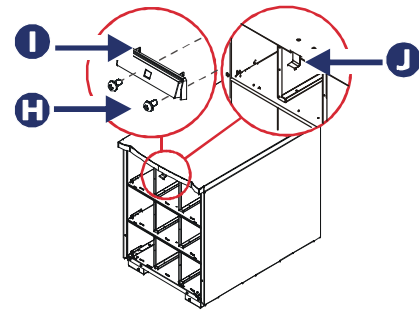
- 3.1 Remove the equipment from the pallet.
 - Ensure that the mounting stabilizers **E** are in the up position.
 - Attach the ramp to the pallet. Secure the ramp metal brackets **F** in the cutouts **G** on the pallet.
 - With two people, one on either side of the unit, firmly hold the front and rear of the unit. Carefully push the unit onto the ramp, and to the floor.
- 3.2 Move equipment to the installation site.
- 3.3 Lower the mounting stabilizers to the floor to secure the unit.



④ Remove Display



If battery modules are pre-installed, skip ahead to Step 7.

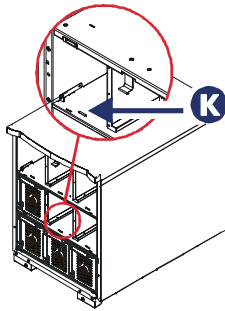


- 4.1 Remove the screws **H** that secure the front display to the top of the unit.
- 4.2 Gently pull upward to remove the display **I** from the unit.
- 4.3 Disconnect the display cable **J** from the front display

⑤ Install and Connect Battery Modules

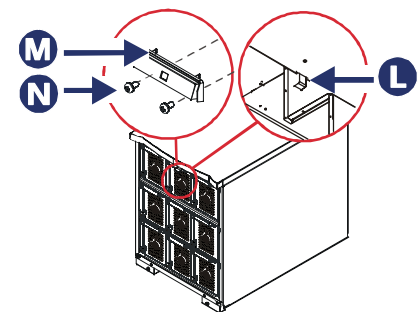


- Two people are required to handle a battery module due to its weight.
- To avoid a top heavy load in the Extended Run Cabinet, install battery modules from the bottom upward.



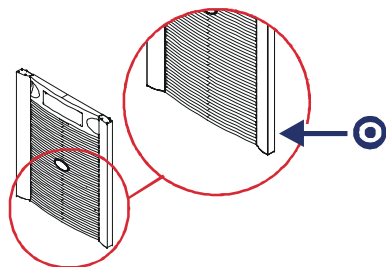
- 5.1 Slide the battery into the battery bay until the front of the battery is behind the safety catch **K**.
- 5.2 Check that each battery module is in the connected position. Use a coin to turn the battery switch counterclockwise to the ON (connected) position.

⑥ Install Display



- 6.1 Connect the display cable **L** to the front display panel.
- 6.2 Snap the front display tabs **M** into the unit.
- 6.3 Secure the front display by tightening the screws **N** to the unit.

⑦ Install Door



- 7.1 Insert the tabs on the bottom rear of the door **O** into the slots on the base of the unit.
- 7.2 Push the top of the door toward the unit until the magnetic catches are engaged.

Optional Seismic Anchoring

The unit may be anchored by reattaching the four shipping brackets and bolting these to the floor.



- UBC calculations require a 3/8" diameter Trubolt wedge anchor, embedded 3" into a concrete slab.
- Refer to appropriate codes for specific requirements that would apply to this particular installation.

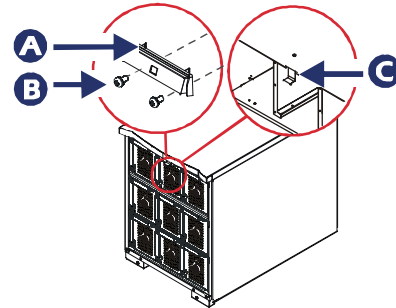
Optional Stacking Installation

Perform these steps to stack the tower Extended Run Cabinet on top of a base unit (another tower Extended Run Cabinet or tower Symmetra LX UPS).



- Do not stack the Extended Run Cabinet until the display, battery modules, mounting stabilizers, and casters have been removed.

① Remove Display

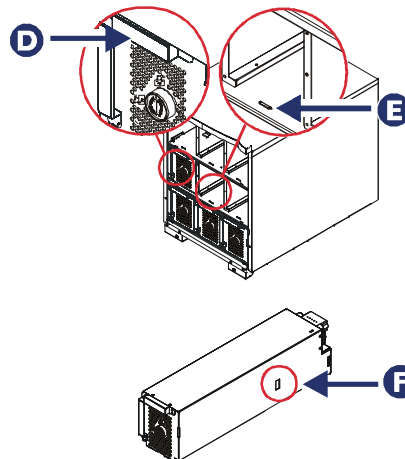


- 1.1 Remove the screws **A** that secure the front display to the top of the unit.
- 1.2 Gently pull upward to remove the display **B** from the unit.
- 1.3 Disconnect the cable **C** from the front display panel.

② Remove Battery Modules

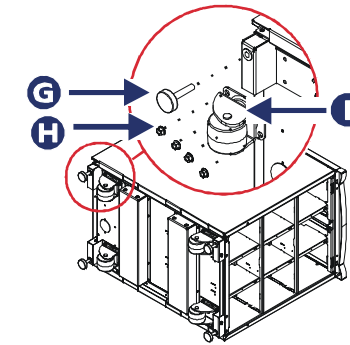


- Two people are required to handle a battery module due to its weight.
- To avoid a top heavy load in the Extended Run Cabinet, remove battery modules from the top downward.



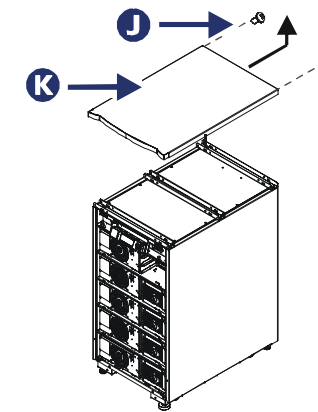
- 2.1 With two people, one on either side of the battery, grab the battery handle **D** and lift upward.
- 2.2 Slide the front of the battery over the safety catch **E**. As the battery slides outward, the safety catch slot **F** on the bottom side of the battery will engage with the safety catch **E** on the unit.
- 2.3 Lift the battery up to disengage the safety catch, and remove from the unit.

③ Remove Mounting Stabilizers and Casters



- 3.1 Turn the unit onto its side.
- 3.2 Turn each of the four mounting stabilizers **G** counterclockwise to remove from the unit.
- 3.3 Remove the four nuts **H** that secure each of the four casters **I** to the unit.
- 3.4 Return the unit to its normal positioning.

④ Remove Top Panel of Base Unit

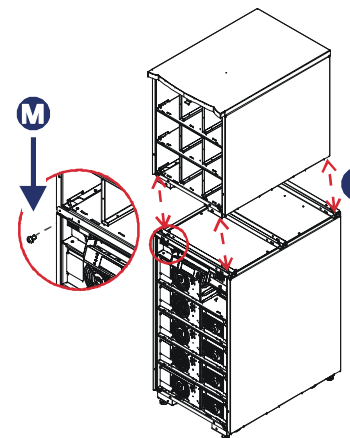


- 4.1 Remove the two screws **J** that secure the top panel **K** to the base unit.
- 4.2 Slide the top panel **K** back, lift up, and off.

⑤ Stack Equipment



- The top panel of the base unit must be removed before stacking the empty Extended Run Cabinet.
- Due to its weight, only ONE Extended Run Cabinet can be stacked on top of ONE additional Extended Run Cabinet, or on top of ONE Symmetra LX UPS.



- 5.1 With two people, one on either side of the unit, lift, position, and lower the empty extended run cabinet until the four corners **L** of both units are aligned.
- 5.2 Secure the units together with the four screws **M** provided in the literature kit.