

# Galaxy VXL

## UPS

### Receiving and Unpacking

500-1250 kW 380/400/415 V

Latest updates are available on the Schneider Electric website  
7/2024



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# Table of Contents

Important Safety Instructions — SAVE THESE	
INSTRUCTIONS .....	5
Safety Precautions .....	6
Storage Conditions .....	7
UPS Shipping Weights and Dimensions .....	8
Receiving .....	9
Remove the UPS from the Pallet.....	10
Unpack the Power Module (GVPM125KH).....	23



# Important Safety Instructions — SAVE THESE INSTRUCTIONS

Read these instructions carefully and look at the equipment to become familiar with it before trying to install, operate, service or maintain it. The following safety messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety message indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages with this symbol to avoid possible injury or death.

## DANGER

**DANGER** indicates a hazardous situation which, if not avoided, **will result in death or serious injury**.

**Failure to follow these instructions will result in death or serious injury.**

## WARNING

**WARNING** indicates a hazardous situation which, if not avoided, **could result in death or serious injury**.

**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

## CAUTION

**CAUTION** indicates a hazardous situation which, if not avoided, **could result in minor or moderate injury**.

**Failure to follow these instructions can result in injury or equipment damage.**

## **NOTICE**

**NOTICE** is used to address practices not related to physical injury. The safety alert symbol shall not be used with this type of safety message.

**Failure to follow these instructions can result in equipment damage.**

## Please Note

Electrical equipment should only be installed, operated, serviced, and maintained by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Per IEC 62040-1: "Uninterruptible power systems (UPS) -- Part 1: Safety Requirements," this equipment, including battery access, must be inspected, installed and maintained by a skilled person.

The skilled person is a person with relevant education and experience to enable him or her to perceive risks and to avoid hazards which the equipment can create (reference IEC 62040-1, section 3.102).

## Safety Precautions

### **⚠ WARNING**

#### **HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Do not unpack the units before the time of installation.
- Cover the units and store the units in a temperature controlled indoor environment free of conductive contaminants and humidity, where the units are protected from moisture until the time of start-up. Moisture inside the cabinet can create hazardous short circuits.

**Failure to follow these instructions can result in death, serious injury, or equipment damage.**




### ***NOTICE***

#### **RISK OF EQUIPMENT DAMAGE**

- Wait until the system is ready to be powered up before installing batteries in the system. The time duration from battery installation until the UPS system is powered up must not exceed 72 hours or 3 days.
- Batteries must not be stored more than six months due to the requirement of recharging. If the UPS system remains de-energized for a long period, Schneider Electric recommends that you energize the UPS system for a period of 24 hours at least once every month. This charges the batteries, thus avoiding irreversible damage.

**Failure to follow these instructions can result in equipment damage.**

# Storage Conditions

		
Storage temperature: -25 °C to 55 °C for systems without batteries.	Relative humidity: 0-95% non-condensing	Elevation: 0-15000 m

# UPS Shipping Weights and Dimensions

## Scalable UPS Models

Commercial reference	Weight kg	Height mm	Width mm	Depth mm	Number of power modules preinstalled in the UPS	Number of power modules shipped separately. To be installed onsite to reach the ordered UPS rating <sup>1</sup>	Number of extra power modules that can be installed to increase the UPS rating to 1250 kW (maximum) <sup>1</sup>
GVXL0K1250HS	714	2150	1410	1160	0	0 <sup>2</sup>	10 <sup>2</sup>
GVXL500K1250HS	926	2150	1410	1160	4	0	6
GVXL625K1250HS	926	2150	1410	1160	4	1	5
GVXL750K1250HS	926	2150	1410	1160	4	2	4
GVXL875K1250HS	926	2150	1410	1160	4	3	3
GVXL1000K1250HS	926	2150	1410	1160	4	4	2
GVXL1125K1250HS	926	2150	1410	1160	4	5	1
GVXL1250KHS	926	2150	1410	1160	4	6	0

## Non-Scalable UPS Models

Commercial reference	Weight kg	Height mm	Width mm	Depth mm	Number of power modules preinstalled in the UPS	Number of power modules shipped separately. To be installed onsite to reach the ordered UPS rating <sup>1</sup>	Number of extra power modules that can be installed to increase the UPS rating to 1250 kW (maximum) <sup>1</sup>
GVXL600K600HS	926	2150	1410	1160	4	1	0 <sup>3</sup>

## Power Module Shipping Weights and Dimensions

Commercial reference	Weight kg	Height mm	Width mm	Depth mm
1xGVPM125KH	74	310	660	850
6xGVPM125KH on common pallet <sup>4</sup>	485	1090	1360	870

1. See Power Module Shipping Weights and Dimensions, page 8 for shipping weight and dimensions for the separately shipped power module.
2. A minimum of four power modules must be ordered separately for GVXL0K1250HS.
3. GVXL600K600HS is limited to 600 kW rating with a minimum of five power modules installed.
4. For an order of six power modules, the six power modules will be shipped together on one large pallet.



# Receiving

## External Inspection

When the shipment arrives, inspect the shipping materials for any signs of damage or mishandling. Check tilt and/or impact indicators. Do not attempt to install the system if any damage is apparent. If any damage is noted, contact Schneider Electric customer support and file a damage claim with the shipping agency within 24 hours of receipt.

Compare the components of the shipment with the bill of lading. Report any missing items to the carrier and to Schneider Electric customer support immediately.

Verify that labelled units match the order confirmation.

## Remove the UPS from the Pallet

### ⚠ WARNING

#### HAZARD OF SERIOUS INJURY

Do not put your hands or feet under the cabinet while removing the pallet parts.

**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

### NOTICE

#### RISK OF EQUIPMENT DAMAGE

Ensure that the floor is level and can support the weight of the jack when it carries the cabinet.

**Failure to follow these instructions can result in equipment damage.**

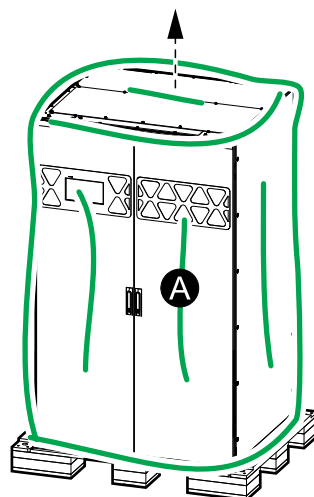
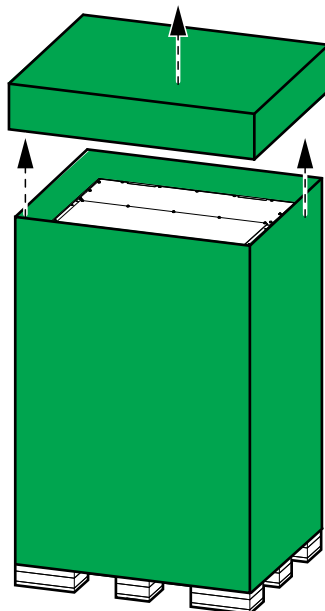
### NOTICE

#### RISK OF EQUIPMENT DAMAGE

Be careful not to damage the cabinet when using the jack.

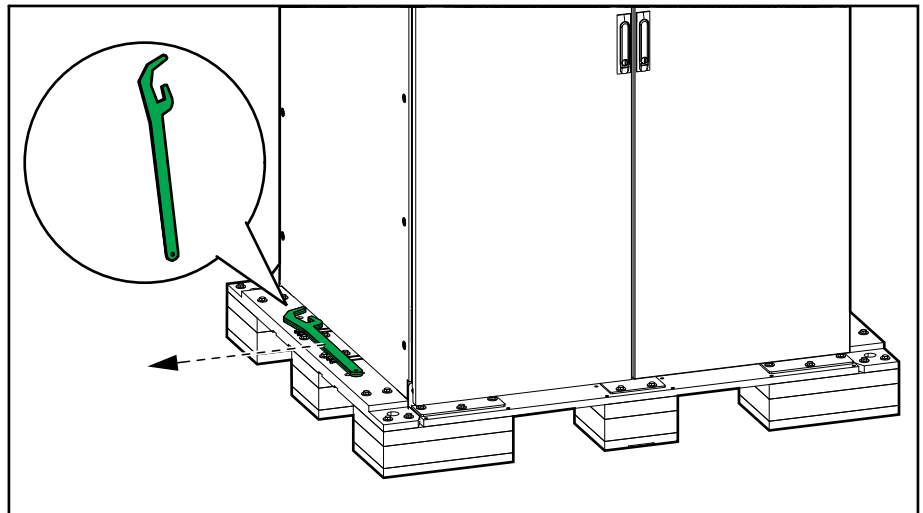
**Failure to follow these instructions can result in equipment damage.**

1. Move the UPS cabinet as close as possible to the final location with a pallet truck or a forklift before unpacking.
2. Remove the cardboard packaging. Remove the packaging bag (marked (A) in the illustration) without cutting it – save the packaging bag (A) for later use.

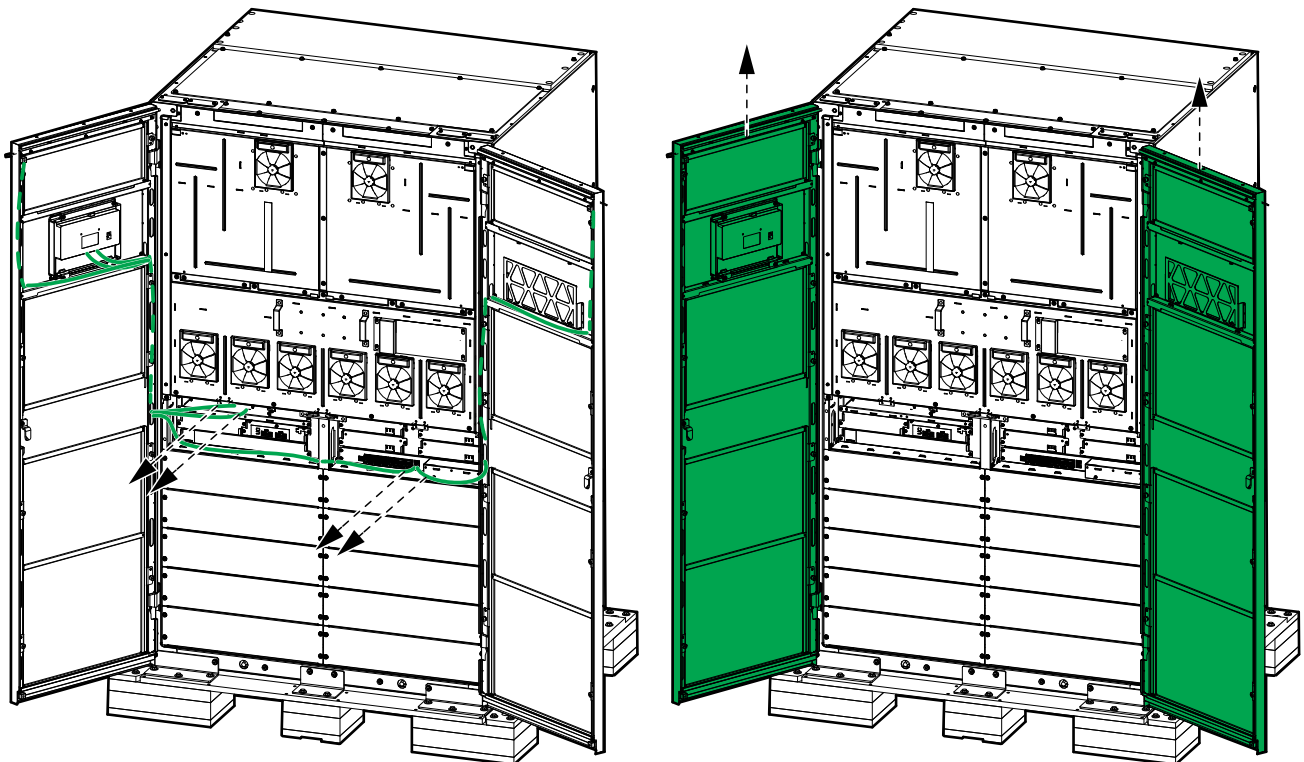


3. Remove the power module tool from the pallet. Save the power module tool for later use. The power module tool is needed to remove the power modules from the UPS.

#### Front View

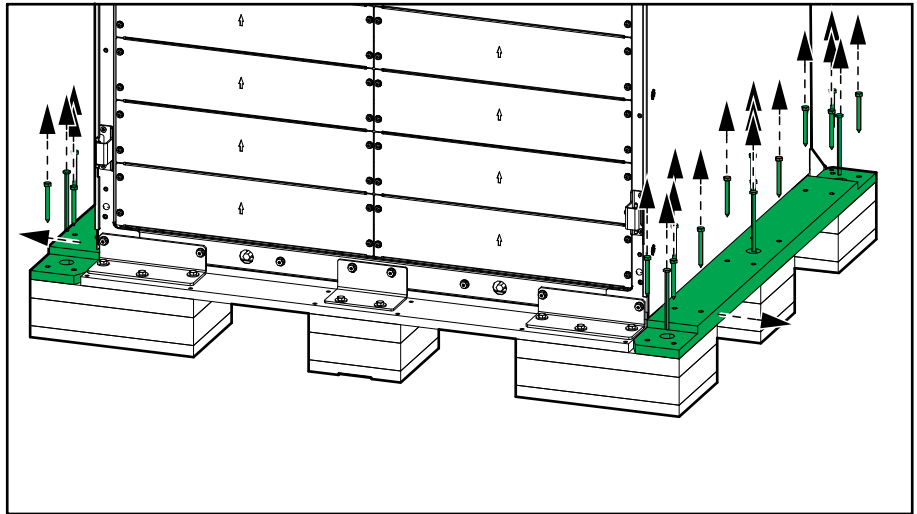


4. Open the front doors.
5. Disconnect the display signal cable and the two LED strip signal cables from the cabinet. Roll up and fasten the signal cables to the doors so they do not get damaged. Remove the front doors. Store the front doors safely until reinstallation.



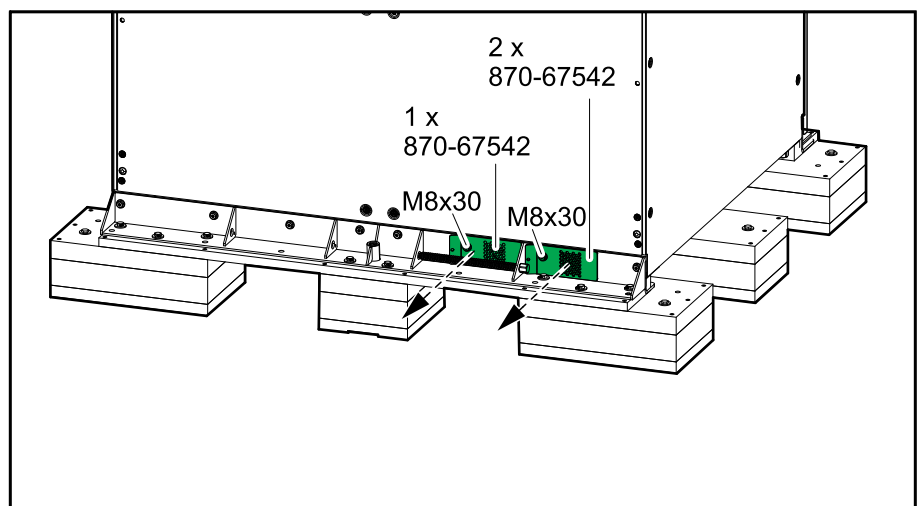
6. Remove the 12 wood screws and three long bolts from the left and right side of the pallet. Remove the left and right wooden parts.

#### Front View

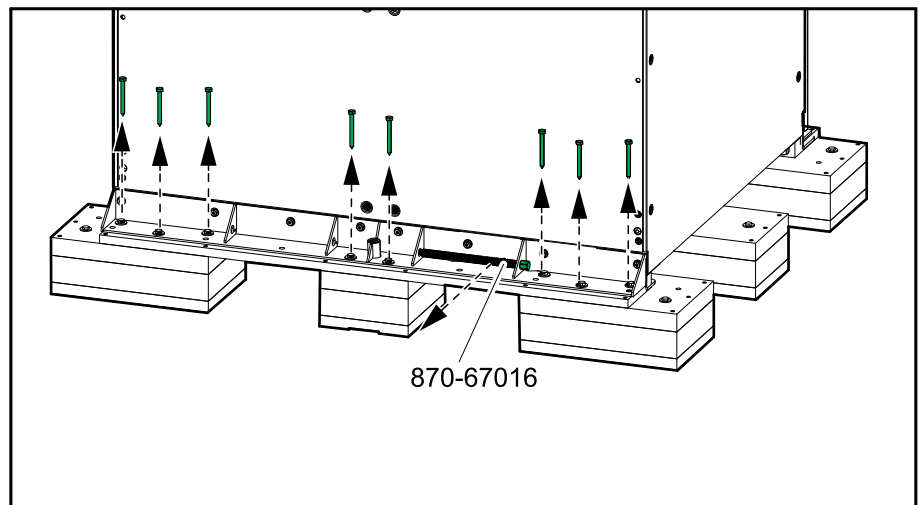


7. Remove the three floor protection plates (870-67542) from the rear of the cabinet. Reinstall the two M8x30 screws. Save the three floor protection plates (870-67542) for later use.

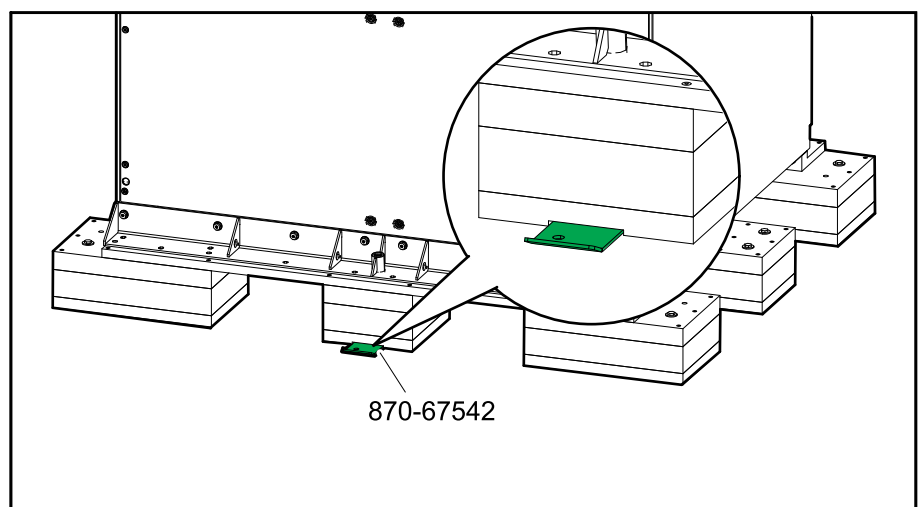
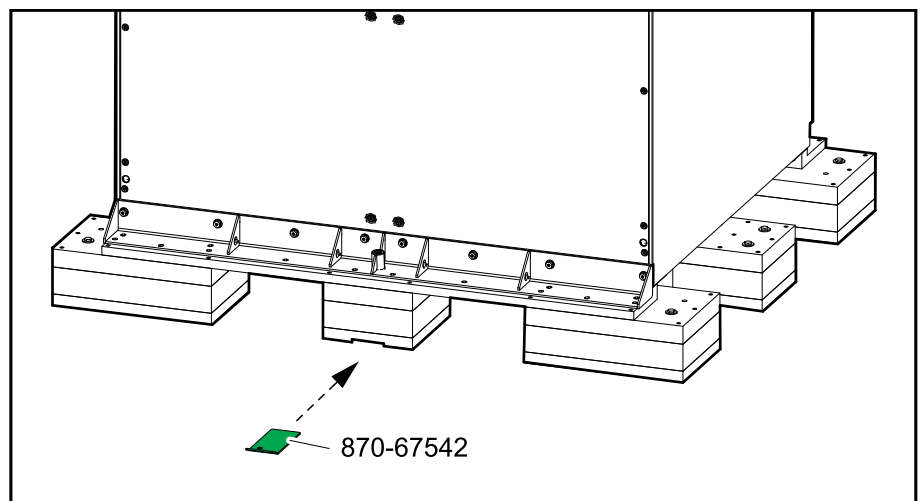
#### Rear View



8. Remove the wood screws from the long transportation bracket in the rear of the cabinet. Remove the jack (870-67016). Save the jack for later use.

**Rear View**

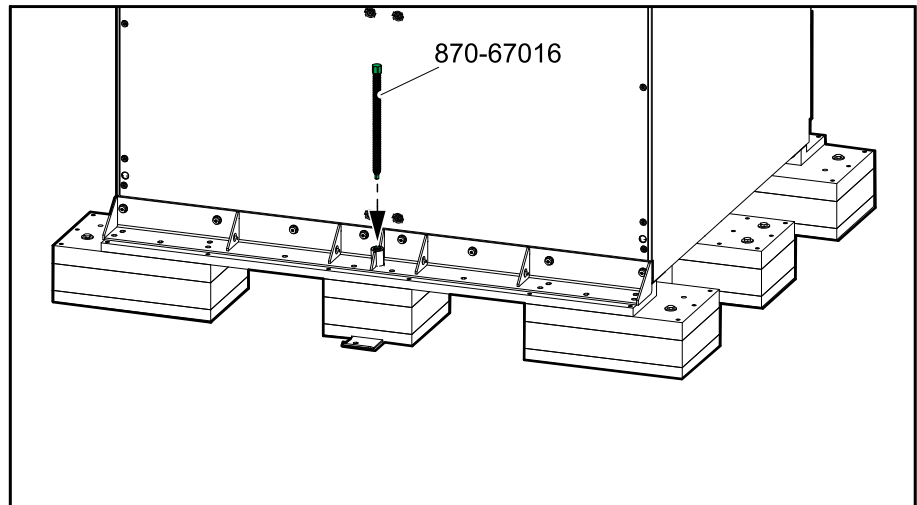
9. Place a floor protection plate (870-67542) under the middle part of the wooden pallet on the rear of the cabinet.

**Rear View**

10. Insert the jack (870-67016) in the long transportation bracket on the rear of the cabinet. Use a drilling machine or a wrench to turn the jack to the right until the jack makes contact with the floor protection plate. Continue turning the jack to lift the cabinet.

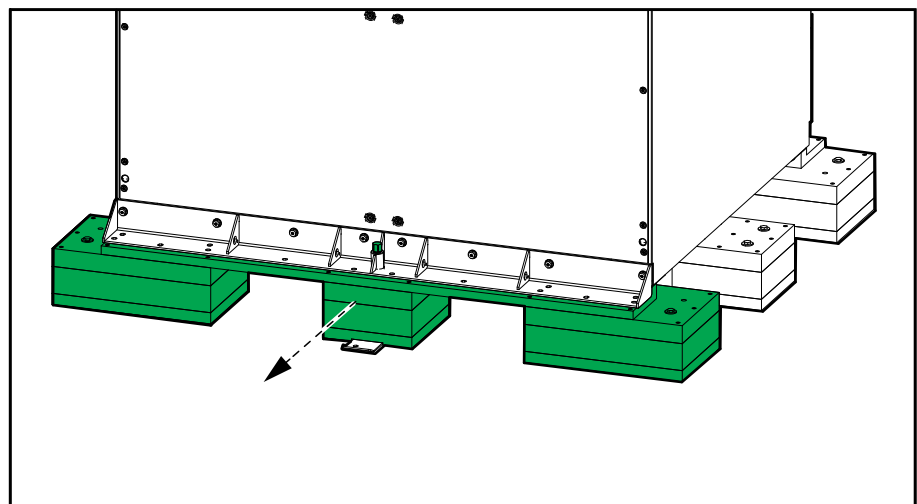
**NOTE:** Reduce the drill torque to the minimum to prevent kickback.

#### Rear View

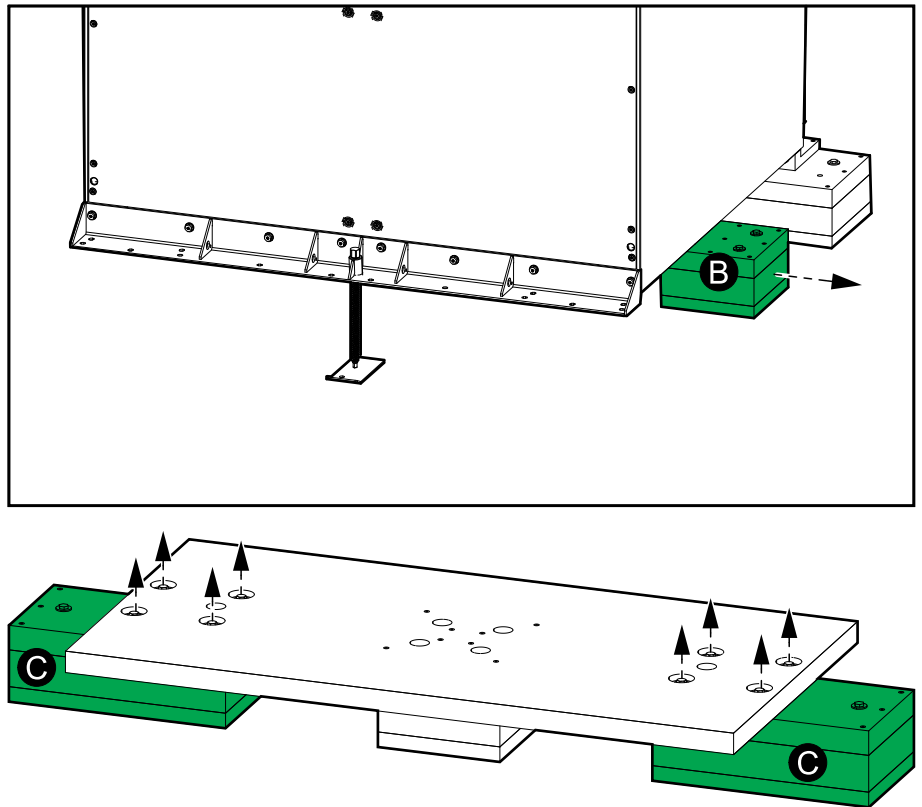


11. When the rear of the cabinet rests on the jack, remove the rear part of the wooden pallet.

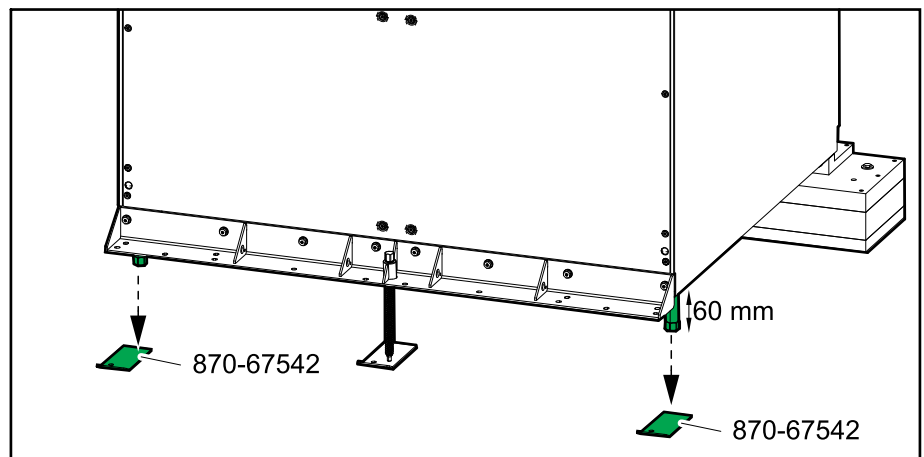
#### Rear View



12. Remove the middle part of the wooden pallet (marked (B) in the illustration). Remove the screws to disassemble the middle part of the wooden pallet. Save the two wooden blocks marked (C) in the illustration) for later use.

**Rear View**

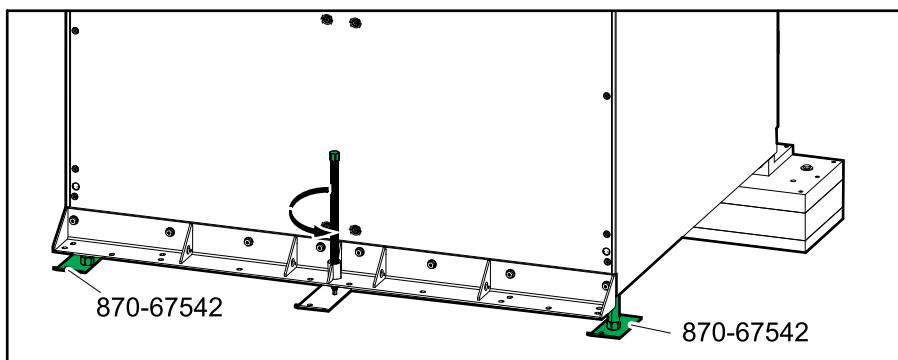
13. Lower the rear leveling feet on the UPS with a wrench to a height of 60 mm. Place two floor protection plates (870-67542) beneath the rear leveling feet to protect the floor.

**Rear View**

14. Use a drilling machine or a wrench to turn the jack to lower the cabinet until the rear leveling feet have contact with the floor protection plates (870-67542). Turn the jack until it can be removed from the long transportation bracket (0M-94887).

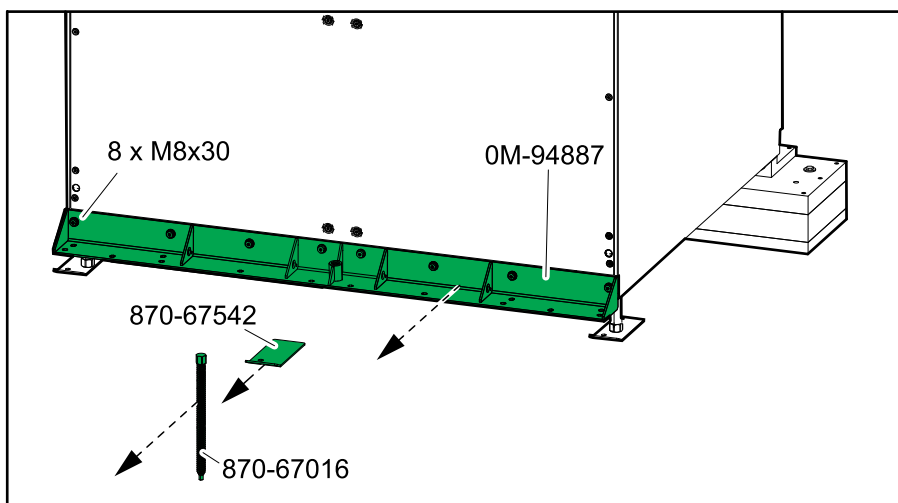
**NOTE:** Reduce the drill torque to the minimum to prevent kickback.

#### Rear View



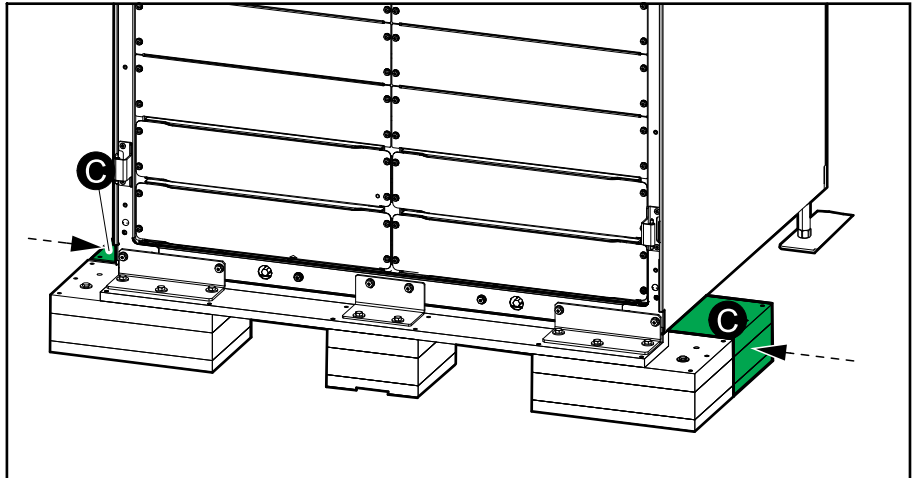
15. Remove the eight M8x30 screws and the long transportation bracket (0M-94887) from the cabinet. Save the long transportation bracket (0M-94887), the jack (870-67016) and the floor protection plate (870-67542). The eight M8x30 screws can be saved as extra screws.

#### Rear View



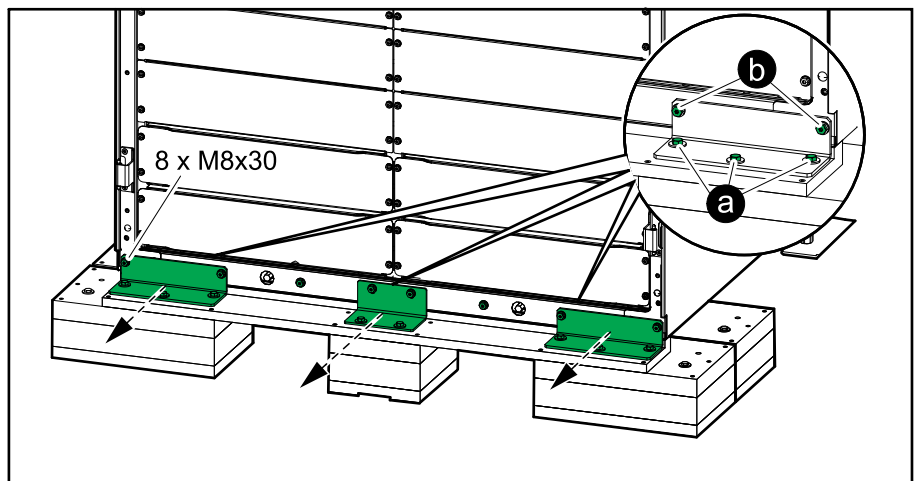


16. Insert the two wooden blocks (marked (C) in the illustration) under the cabinet as shown.

**Front View**

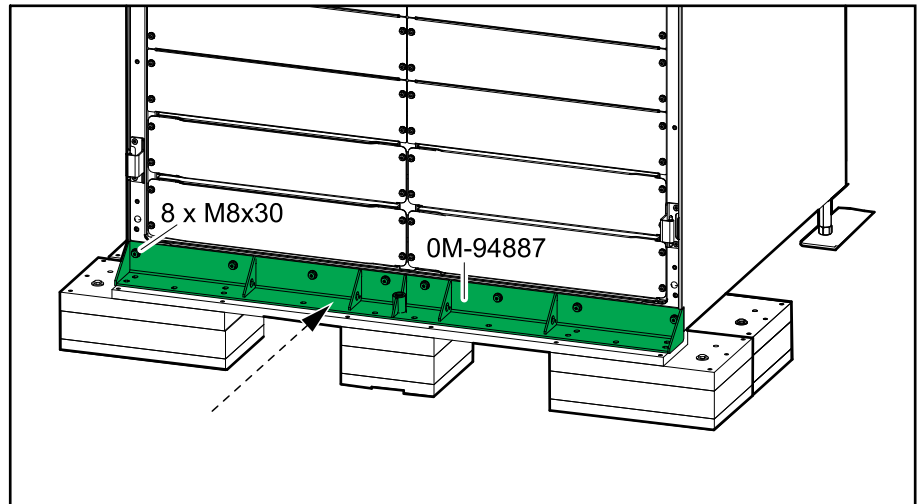
17. Remove the front brackets.

- Firstly, remove the screws from the pallet.
- Secondly, remove the eight M8x30 screws from the cabinet. Save for reuse.

**Front View**

18. Install the long transportation bracket (0M-94887) on the front of the cabinet with the eight M8x30 screws from the front.

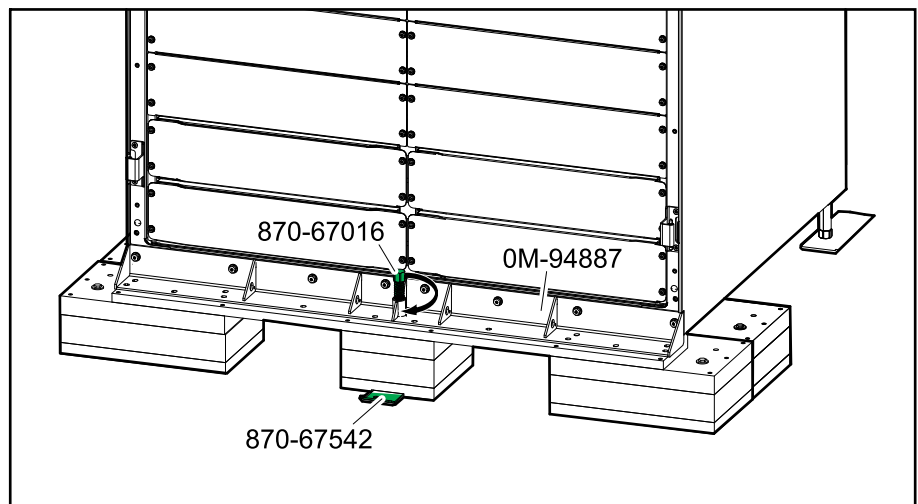
#### Front View



19. Place the floor protection plate (870-67542) under the front part of the wooden pallet.
20. Insert the jack (870-67016) in the long transportation bracket (0M-94887). Use a drilling machine or a wrench to turn the jack to the right until the jack makes contact with the floor protection plate. Continue turning the jack to lift the cabinet.

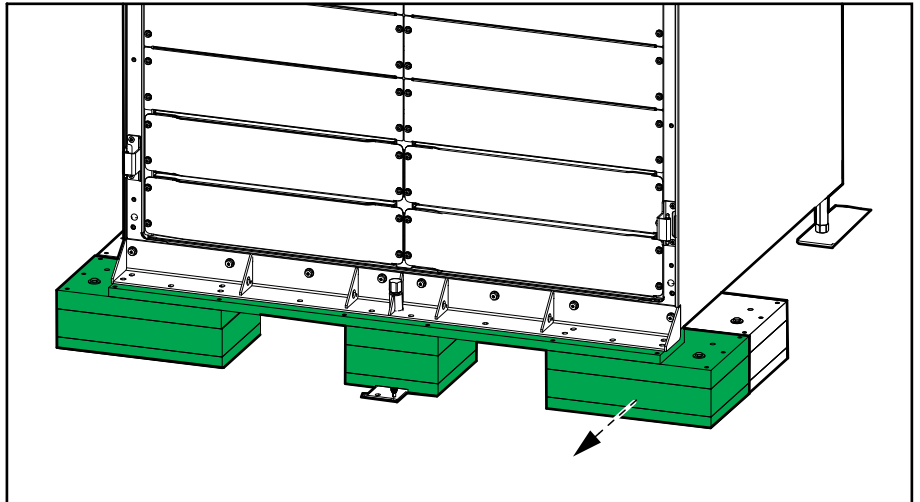
**NOTE:** Reduce the drill torque to the minimum to prevent kickback.

#### Front View



21. When the front of the cabinet rests on the jack, remove the front part of the wooden pallet.

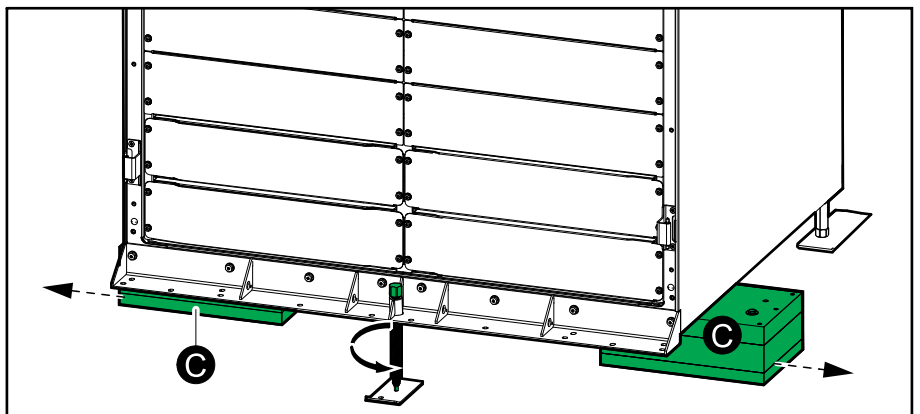
**Front View**



22. Remove the wooden blocks (marked (C) in the illustration) from under the cabinet. Use a drilling machine or a wrench to turn the jack to lower the cabinet until the front casters have contact with the floor. Turn the jack until it can be removed from the long transportation bracket.

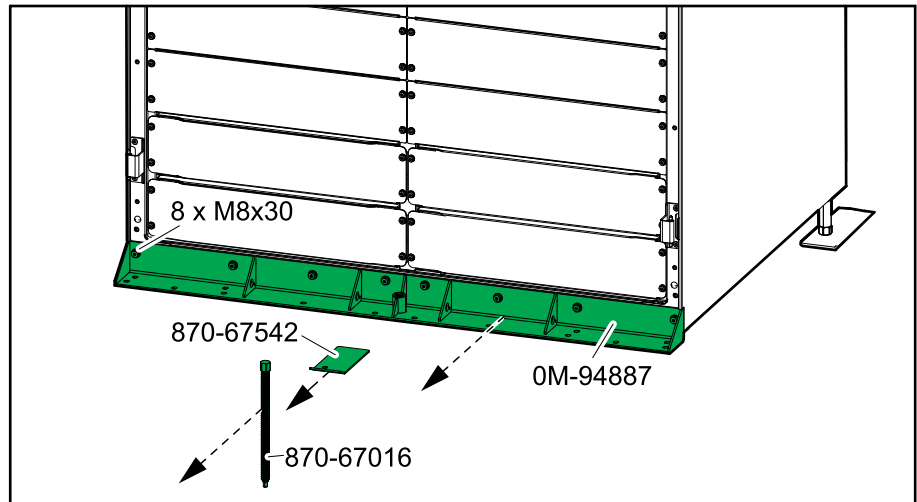
**NOTE:** Reduce the drill torque to the minimum to prevent kickback.

**Front View**



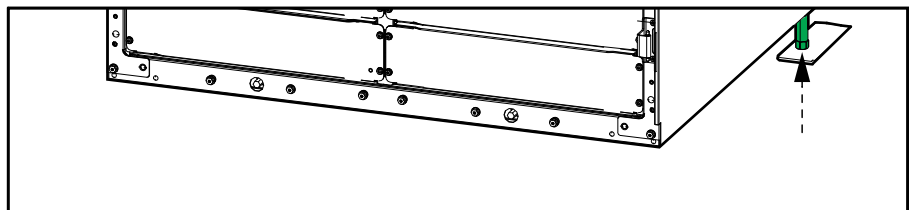
23. Remove the eight M8x30 screws, the long transportation bracket (0M-94887), the jack (870-67016), and the floor protection plate (870-67542) from the cabinet.

**Front View**



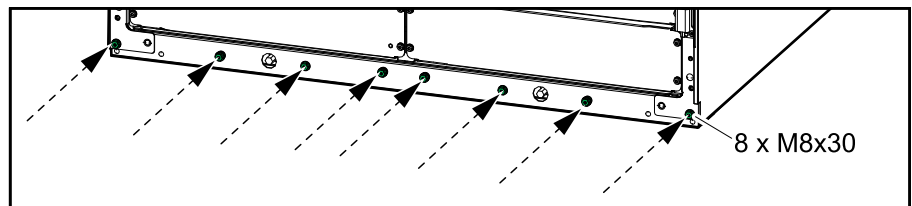
24. Raise the rear leveling feet on the UPS with a wrench to their original position.

**Front View**

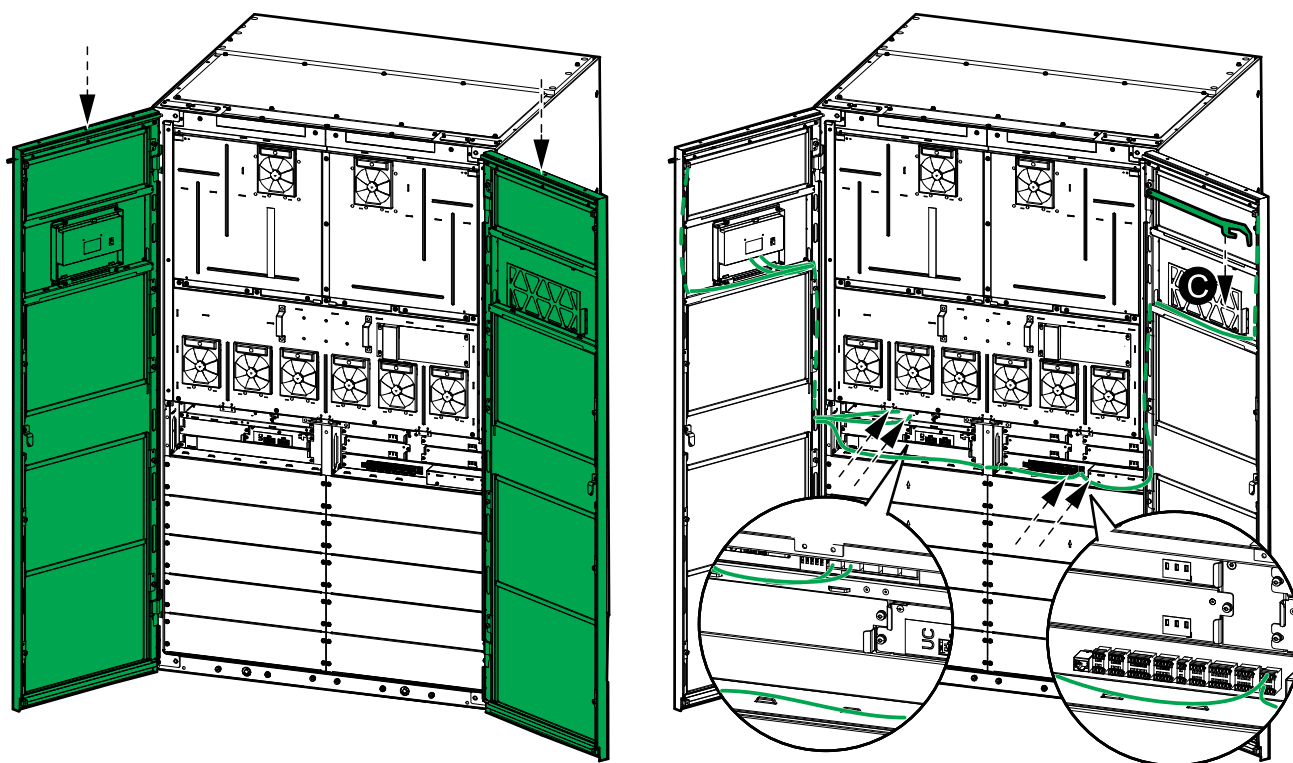


25. Reinstall the eight M8x30 screws that were removed from the front of the cabinet during this procedure.

**Front View**



26. Reinstall the front doors. Reconnect the display signal cable and the two LED strip signal cables to the cabinet. Store the manuals, the documentation, and the power module tool in the documentation compartment in the UPS door (marked (C) in the illustration).



27. Close and lock the front doors.
28. Move the UPS to the final location by rolling it over the floor on the casters.

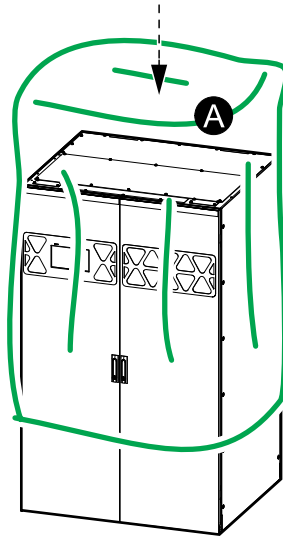
## **⚠ WARNING**

### **TIPPING HAZARD**

- The casters of the UPS are exclusively for transport on flat, even, hard, and horizontal surfaces.
- The casters of the UPS are intended for transport over short distances (i.e. inside the same building).
- Move at a slow pace and pay close attention on the floor conditions and the balance of the UPS.

**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

29. Cover the UPS with the packaging bag (marked (A) in the illustration) until time of installation. The packaging bag was removed in step 2.



# Unpack the Power Module (GVPM125KH)

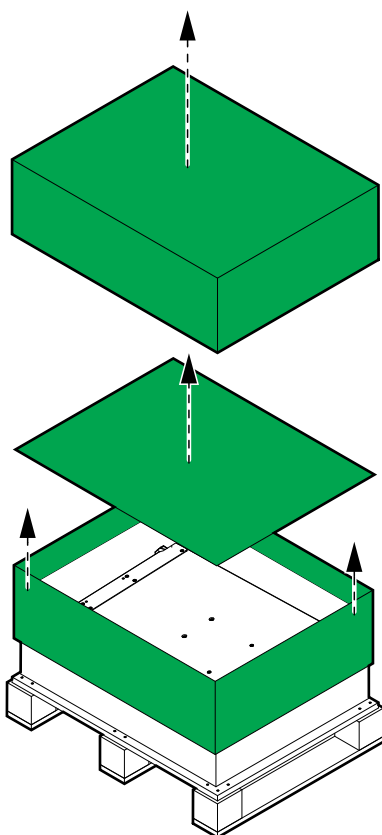
## ⚠ CAUTION

### HEAVY LOAD AND POTENTIALLY HOT SURFACE

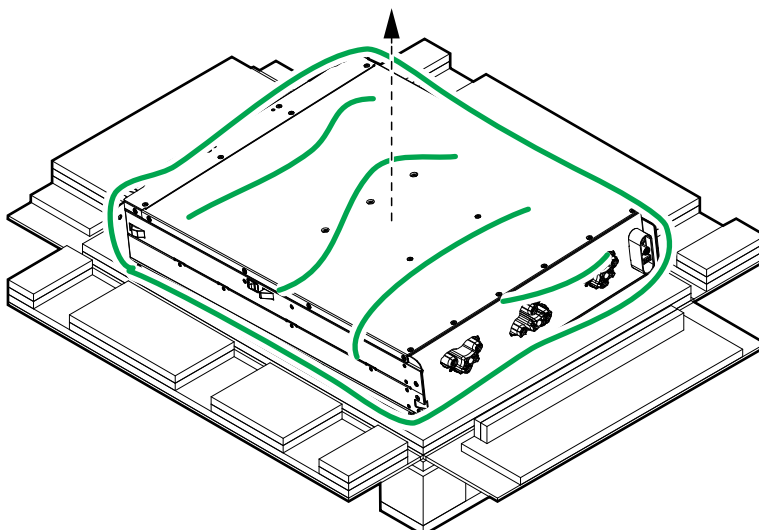
Use protective gloves and safety shoes when handling the power module.

**Failure to follow these instructions can result in injury or equipment damage.**

1. Move the power module box on its pallet as close as possible to the final installation location using a forklift/pallet truck. Do not unpack the power module until ready to install it in the UPS.
2. Remove the straps, the top cover, the top plate, and the outer cardboard square of the power module box.



3. Remove the wrapping from the power module.



4. Push the power module onto an appropriate lifting cart that can support the weight of the power module and can lift the power module to the required height. A scissor lifting cart is recommended and shown in this procedure. See Specifications for Recommended Scissor Lifting Cart, page 25.

## **⚠ WARNING**

### **HEAVY LOAD**

Power modules are heavy (54 kg). Use appropriate lifting equipment and trained personnel to lift and handle the power module. It is recommended to use a scissor lifting cart or similar appropriate lifting equipment as shown in this procedure. If no lifting equipment is available, three persons are required to lift and handle the power module.

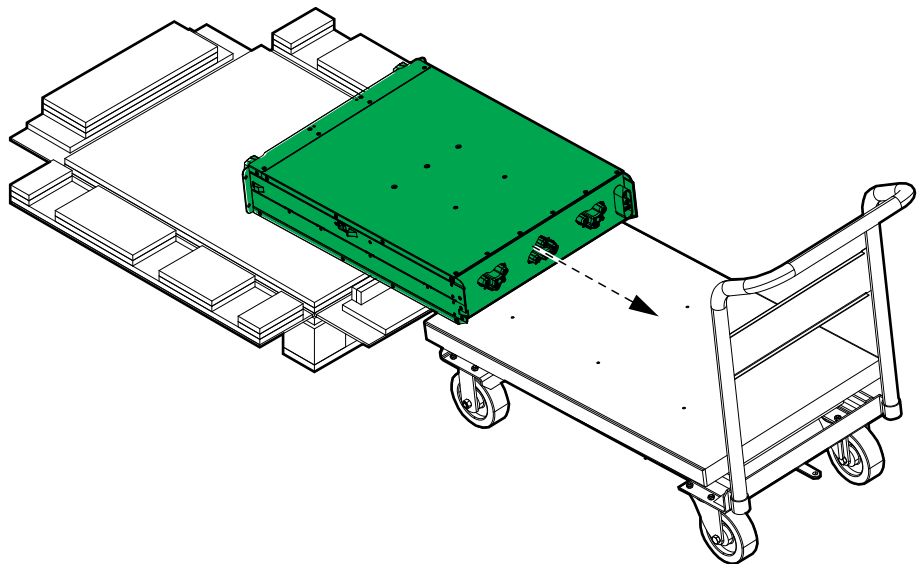
**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

## **⚠ WARNING**

### **HAZARD OF INJURY**

Never stack the power modules on top of each other.

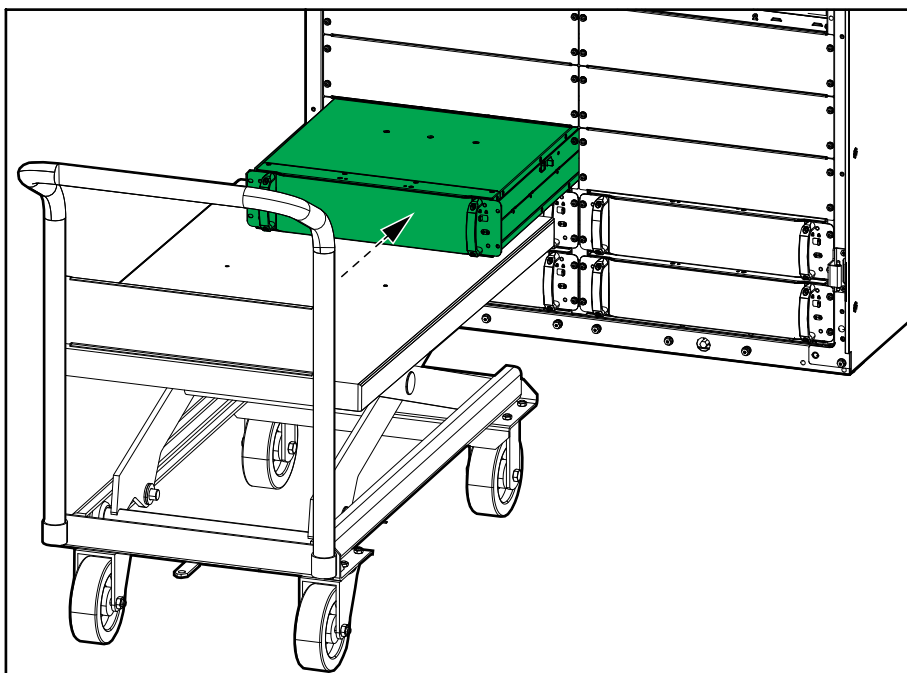
**Failure to follow these instructions can result in death, serious injury, or equipment damage.**



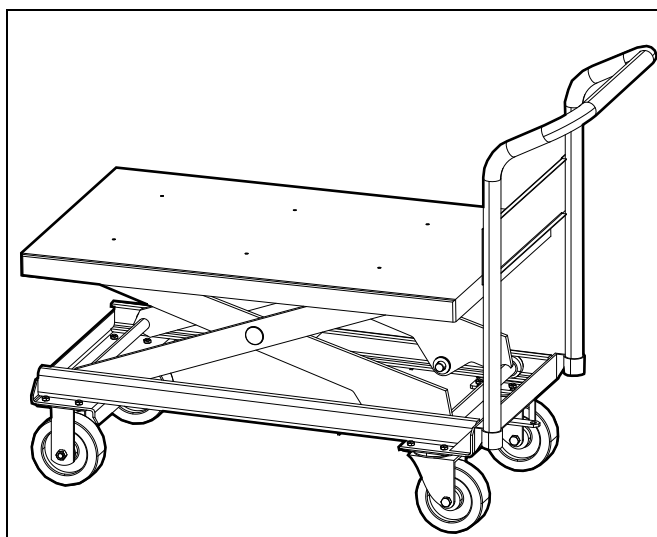
5. Follow the UPS installation manual to install the power module in a new UPS OR follow the UPS operation manual to install the power module in a running UPS (Live Swap).



6. Use the scissor lifting cart to lift the power module to the correct height and push the power module into the power module slot.



#### Specifications for Recommended Scissor Lifting Cart



Lifting weight capacity: Minimum 80 kg  
Lifting height range (lowest power module position to highest power module position): 100 mm to 650 mm  
Table size: Minimum 700 mm x 450 mm  
Material: Steel frame with solid wheels with brakes  
CE/GS approved





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