

Galaxy VX

Receiving and Unpacking

Latest updates are available on the Schneider Electric website

11/2024



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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

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| ⚠ WARNING |
| <p>HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH</p> <ul style="list-style-type: none"> • 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. <p>Failure to follow these instructions can result in death, serious injury, or equipment damage.</p> |

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|--|
| NOTICE |
| <p>RISK OF EQUIPMENT DAMAGE</p> <ul style="list-style-type: none"> • 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. <p>Failure to follow these instructions can result in equipment damage.</p> |

Storage Conditions

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| <p>Storage temperature: -15 °C to 40 °C (5 °F to 104 °F) for systems with batteries -25 °C to 55 °C (-13 °F to 131 °F) for systems without batteries</p> | <p>Relative humidity: 10-80 % non-condensing</p> | <p>Altitude: 0-15000 m (0-50000 ft)</p> |

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.

Unpack the Cabinets

1. Cut the plastic wrap along the edges and remove.
2. Remove the cardboard cover.
3. Remove the corner protection.
4. Remove the bag.
5. Remove the kit parts from the pallet and the packaging and save for the installation.

NOTE: Installation kits are also placed inside the I/O cabinet. Remove these when the I/O cabinet has been removed from the pallet.

6. Cut the tape at the bottom of the cabinet and fold out the plastic bottom protection.
7. Take the keys that are attached to the bags and save for later use.
8. Remove and dispose of the silica bags.

Remove the I/O Cabinet and the Power Cabinets from the Pallet

⚠ WARNING

HAZARD OF TILTING

Do not use a jack in the front and rear transport bracket at the same time.

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

⚠ 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 you have sufficient free space around the cabinets for the removal of the middle pallet part. The I/O cabinet requires 1.5 m (59 in) free space on the right or left side of the cabinet.

Failure to follow these instructions can result in 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 cabinets when using the jack.

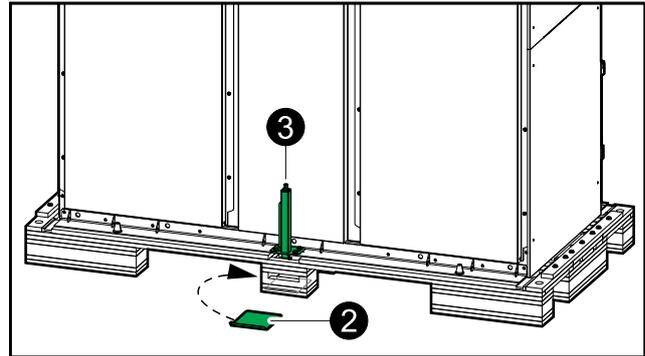
Failure to follow these instructions can result in equipment damage.

NOTE: The process for removing the 1250 kW I/O cabinet, the 1500 kW I/O cabinet and the power cabinets from the pallet are very similar. The illustrations show the removal of the power cabinet when the procedures are identical for all cabinet types. The illustrations show the 1250 kW I/O cabinet where the procedures are identical for the two I/O cabinets.

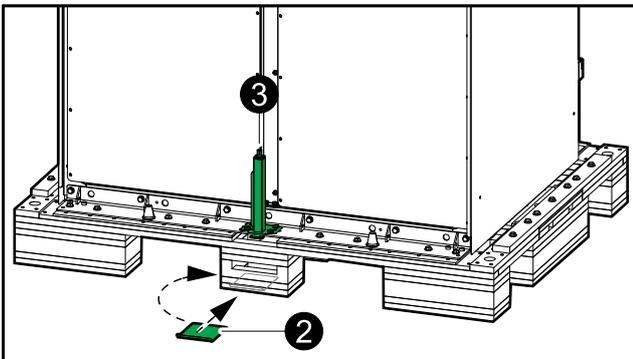
1. Use the installation kit 0M-816661 shipped with the I/O cabinet. Use the jack and the floor protection plate in the kit for all cabinets in this procedure.

2. Place the floor protection plate under the pallet on the rear of the cabinet.

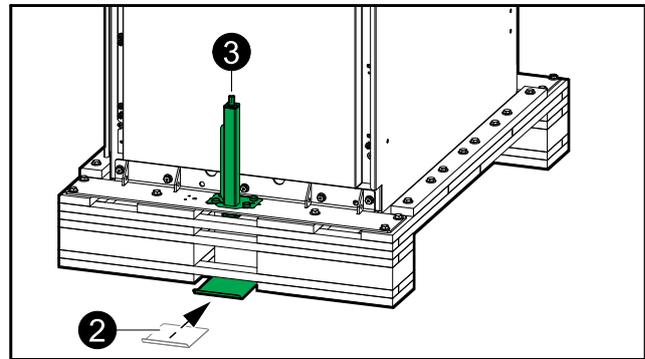
Rear View of the 1500 kW I/O Cabinet



Rear View of the 1250 kW I/O Cabinet

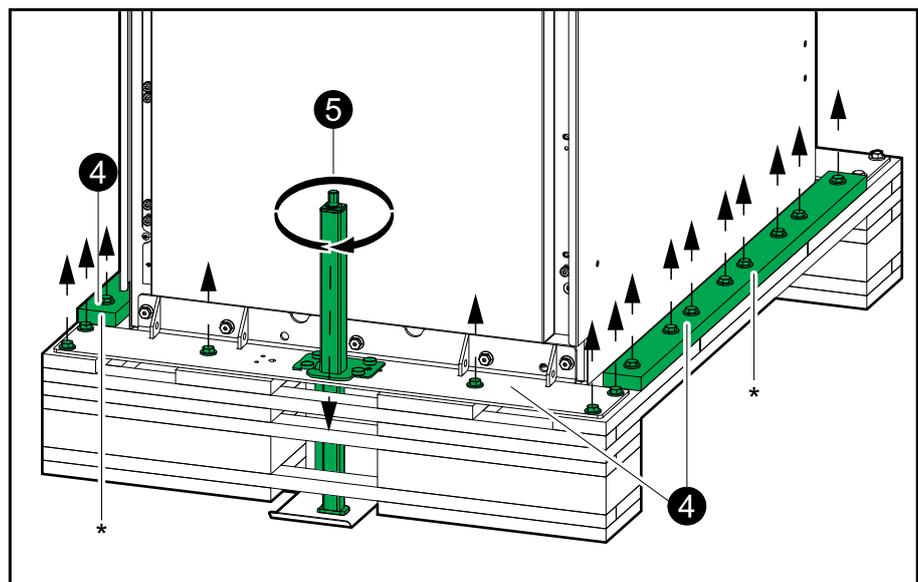


Rear View of the Power Cabinet



3. Place the jack from the installation kit in the hole in the transport bracket on the rear of the cabinet.
4. Remove the bolts from the rear transport bracket and from the middle pallet part. Remove the pallet parts marked with * and save for step 8.

Rear View of the Power Cabinet

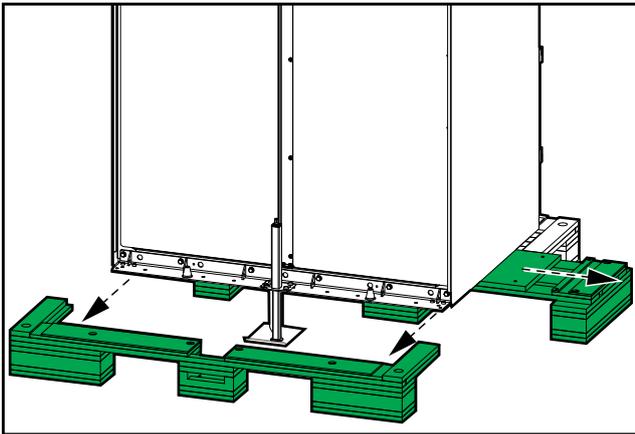


5. Use a drilling machine with the provided hexagonal socket to activate the jack, slide it into position in the bracket, and to make contact with the floor protection plate.

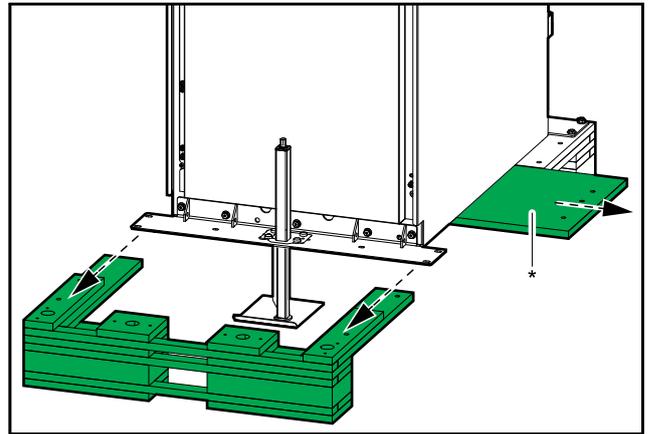
NOTE: Reduce the drill torque to minimum to prevent kickback.

6. Use the jack to lift the pallet to the top position.
7. Remove the rear and middle pallet parts and save the part marked with * for step 8.

Rear View of the 1250 kW I/O Cabinet



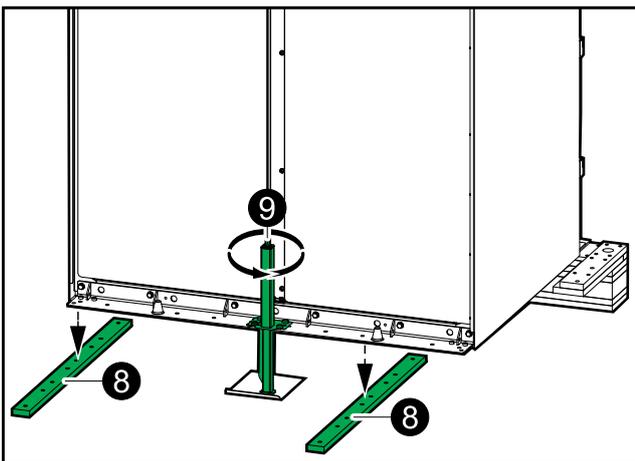
Rear View of the Power Cabinet



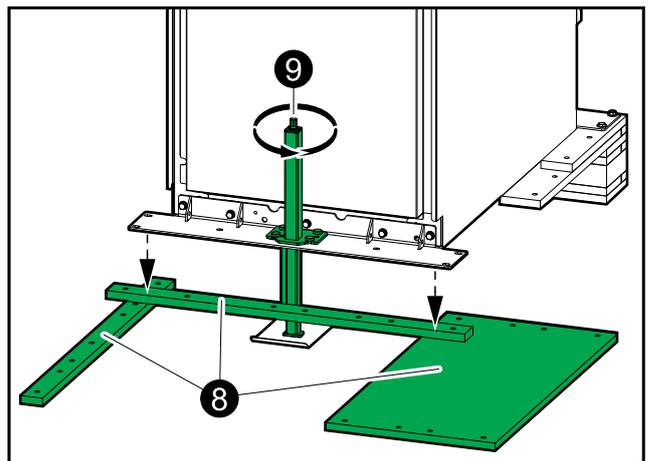
8. Place supports under the metal bracket:

- For the power cabinets, place the pallet parts from step 4 and 7 under the transportation bracket.
- For the I/O cabinet, place the pallet parts from step 4 under the transportation bracket.

Rear View of the 1250 kW I/O Cabinet



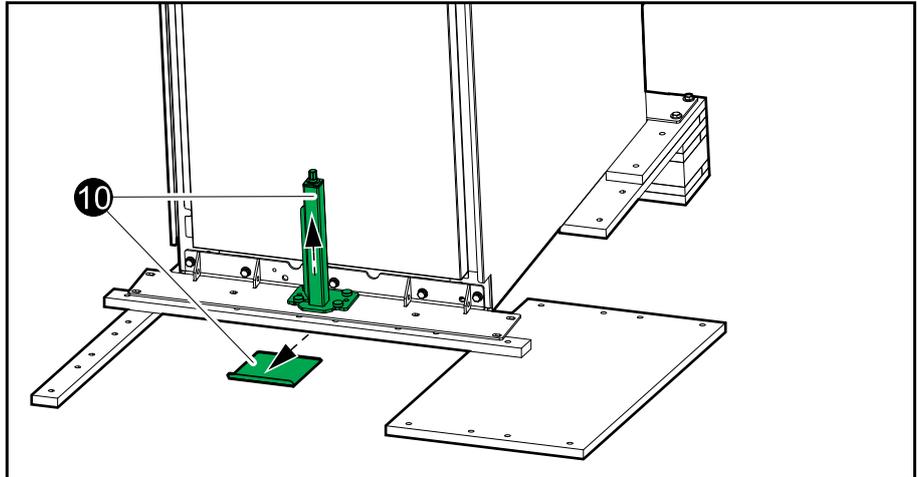
Rear View of the Power Cabinet



9. Use the drilling machine on the jack to lower the cabinet down onto the support.

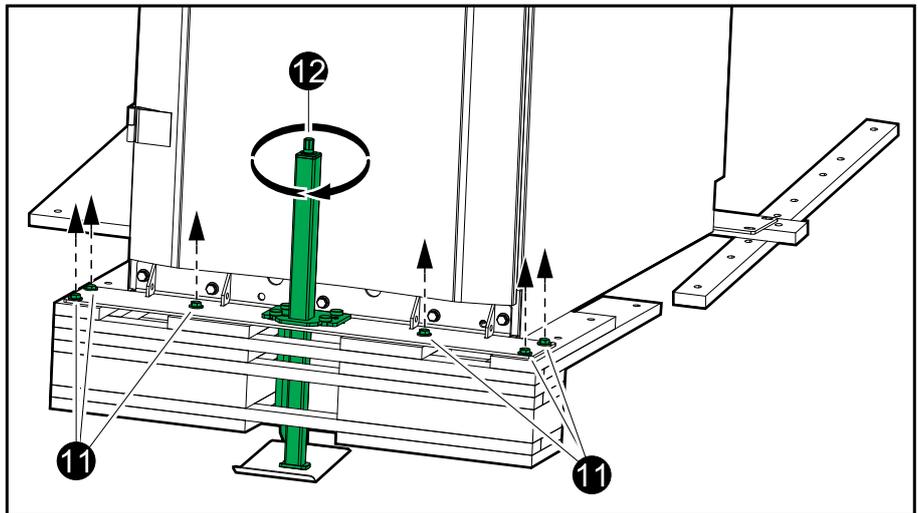
10. Move the floor protection plate and the jack to the transport bracket on the front of the cabinet.

Rear View of the Power Cabinet



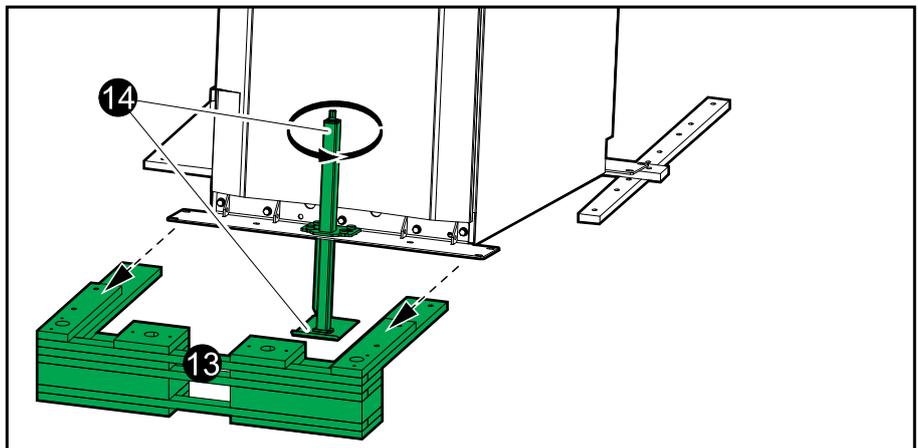
11. Remove the bolts from the front transport bracket.

Front View of the Power Cabinet



12. Use the jack to lift the pallet to the top position.
13. Remove the front pallet parts.

Front View of the Power Cabinet



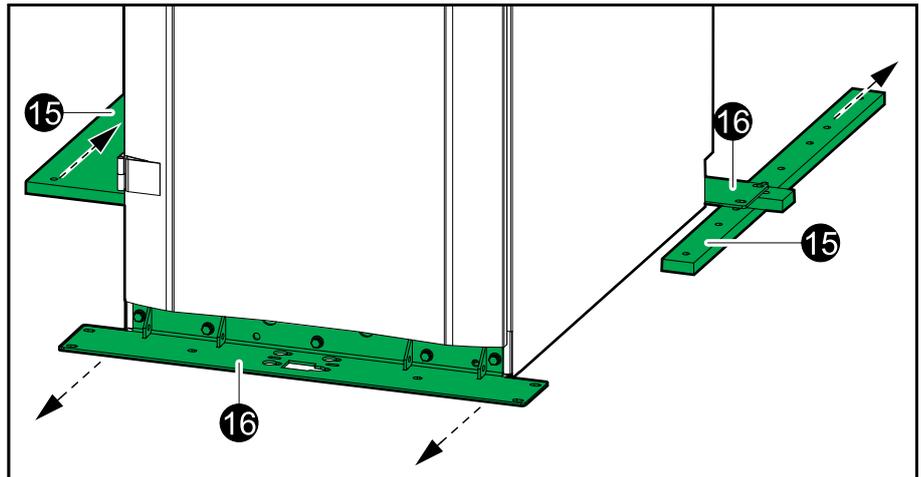
14. Use the jack to lower the cabinet onto the floor until the casters connect with the floor. Remove the jack and the floor protection plate.
15. Wheel the cabinet away and remove the remaining pallet parts.

⚠ WARNING

HAZARD OF TILTING

Be alert to uneven floors and doorsteps when moving the cabinet on its casters to avoid overbalancing and tipping the cabinet.

Front View of the Power Cabinet



16. Remove the front and rear transportation brackets.
The cabinet can now be moved on the built-in casters to the installation area.

NOTE: Save the transportation brackets and bolts for later. The transportation bracket is reused as front anchoring bracket.

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As standards, specifications, and design change from time to time,
please ask for confirmation of the information given in this publication.

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