

Galaxy VS

UPS for External Batteries and UPS with Internal Batteries Up to 2 or 4 Battery Strings

Receiving and Unpacking

Latest updates are available on the Schneider Electric website

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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, 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: For UPS for external batteries: -25 °C to 55 °C (-13 °F to 131 °F) For UPS with internal batteries: -15 °C to 40 °C (5 °F to 104 °F)	Relative humidity: 0-95% non-condensing	Altitude: 0-10000 m (0-32000 ft)

UPS for External Batteries

UPS Shipping Weights and Dimensions

	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
20-50 kW UPS 400 V	235 (518)	1680 (66.14)	640 (25.2)	990 (38.98)
20-50 kW UPS with N+1 power module 400 V	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
60 kW UPS 400 V	263 (580)	1680 (66.14)	640 (25.2)	990 (38.98)
60-100 kW UPS with N +1 power module 400 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
80-100 kW UPS 400 V	275 (606)	1680 (66.14)	640 (25.2)	990 (38.98)
120 kW UPS 400 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
150 kW UPS 400 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
20-50 kW UPS 480 V	235 (518)	1680 (66.14)	640 (25.2)	990 (38.98)
20-50 kW UPS with N+1 power module 480 V	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
60 kW UPS 480 V	263 (580)	1680 (66.14)	640 (25.2)	990 (38.98)
60-100 kW UPS with N +1 power module 480 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
80-100 kW UPS 480 V	275 (606)	1680 (66.14)	640 (25.2)	990 (38.98)
120 kW UPS 480 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
150 kW UPS 480 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
10-25 kW UPS 208 V	235 (518)	1680 (66.14)	640 (25.2)	990 (38.98)
10-25 kW UPS with N+1 power module 208 V	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
30 kW UPS 208 V	263 (580)	1680 (66.14)	640 (25.2)	990 (38.98)
30-50 kW UPS with N+1 power module 208 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
40-50 kW UPS 208 V	275 (606)	1680 (66.14)	640 (25.2)	990 (38.98)
60 kW UPS 208 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)
75 kW UPS 208 V*	250 (551)	1680 (66.14)	640 (25.2)	990 (38.98)

NOTE: The UPS models marked with an * in the table above are shipped with one power module preinstalled in the UPS and two power modules shipped separately.

Power Module Shipping Weights and Dimensions

Commercial reference	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
GVPM20KD	48 (106)	330 (12.99)	580 (22.83)	780 (30.70)
GVPM50KD	62 (137)	330 (12.99)	580 (22.83)	780 (30.70)

UPS with Internal Batteries Up to 2 Battery Strings

UPS Shipping Weights and Dimensions

	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
UPS with one battery string	270 (595)	1680 (66.14)	640 (25.19)	990 (38.98)

UPS with Internal Batteries Up to 4 Battery Strings

UPS Shipping Weights and Dimensions

	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
20-50 kW UPS 400 V without preinstalled battery strings*	200 (441)	1680 (66.14)	640 (25.2)	990 (38.98)
10-20 kW 400 V UPS with one battery string	350 (772)	1680 (66.14)	640 (25.2)	990 (38.98)
30-50 kW 400 V UPS with two battery strings	490 (1080)	1680 (66.14)	640 (25.2)	990 (38.98)
20-50 kW UPS 480 V without preinstalled battery strings*	200 (441)	1680 (66.14)	640 (25.2)	990 (38.98)
20 kW 480 V UPS with one battery string	350 (772)	1680 (66.14)	640 (25.2)	990 (38.98)
30-50 kW 480 V UPS with two battery strings	490 (1080)	1680 (66.14)	640 (25.2)	990 (38.98)
10-25 kW UPS 208 V without preinstalled battery strings*	200 (441)	1680 (66.14)	640 (25.2)	990 (38.98)
10 kW 208 V UPS with one battery string	350 (772)	1680 (66.14)	640 (25.2)	990 (38.98)
15-25 kW 208 V UPS with two battery strings	490 (1080)	1680 (66.14)	640 (25.2)	990 (38.98)

NOTE: The UPS models marked with an * in the table above are shipped with no power modules preinstalled in the UPS and all power modules shipped separately. Battery strings are not included and must be bought separately.

Power Module Shipping Weights and Dimensions

Commercial reference	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
GVPM20KD	48 (106)	330 (12.99)	580 (22.83)	780 (30.70)
GVPM50KD	62 (137)	330 (12.99)	580 (22.83)	780 (30.70)

Modular Battery Shipping Weights and Dimensions

Commercial reference	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
GVSBTU	33 (73)	180 (7.08)	150 (5.90)	800 (31.49)
GVSBTUULL	33 (73)	180 (7.08)	150 (5.90)	800 (31.49)

Receiving

External Inspection

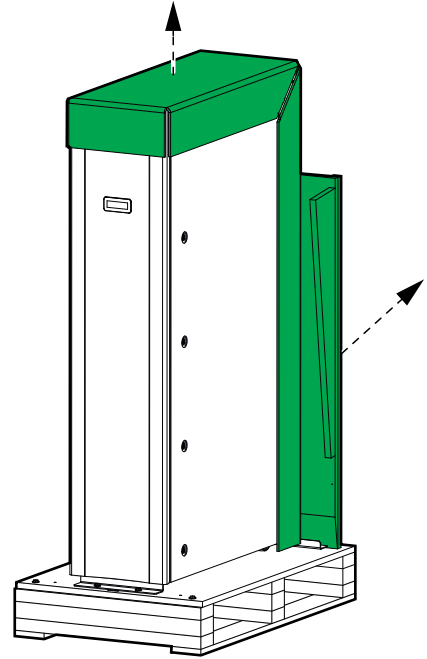
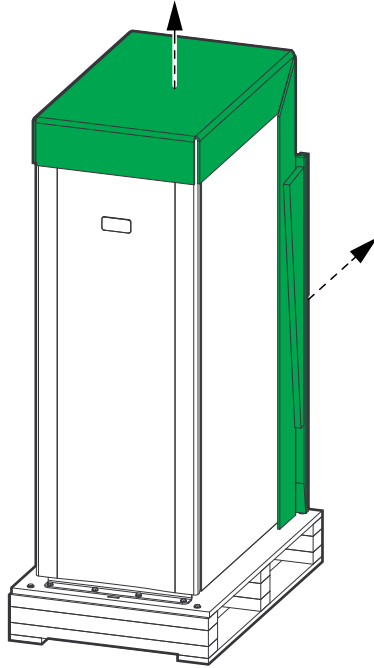
When the shipment arrives, inspect the shipping materials for any signs of damage or mishandling. Check tilt and impact indicators. Do not attempt to install the system if any damage is apparent. If any damage is noted, contact Schneider Electric customer support and file a damage claim with the shipping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

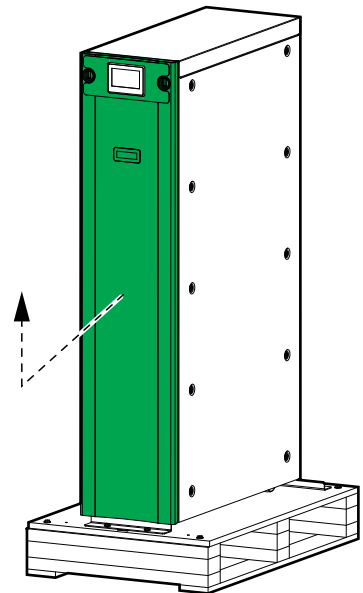
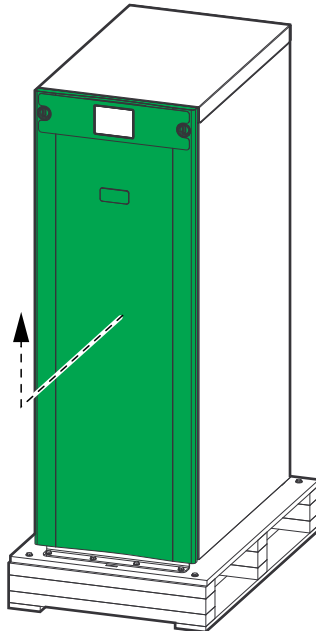
Verify that labelled units match the order confirmation.

Remove the UPS from the Pallet

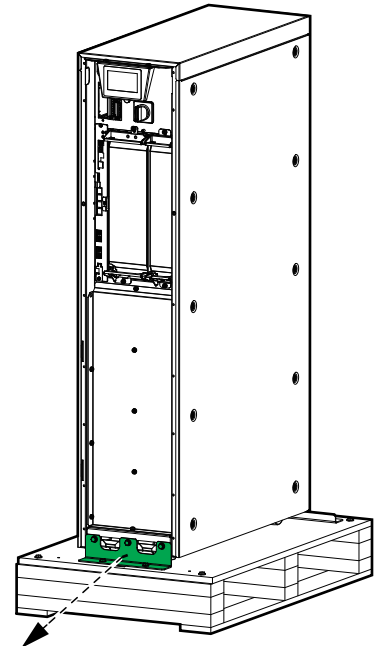
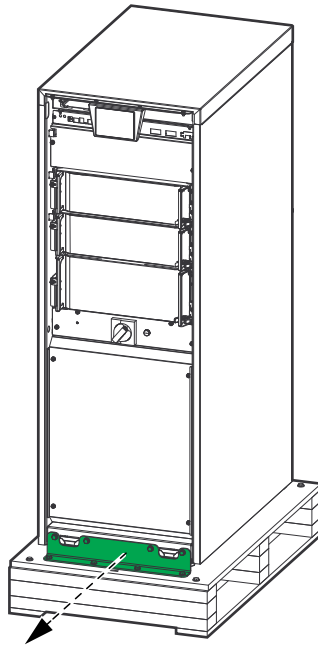
1. Move the UPS cabinet as close as possible to the final location with a pallet truck or a forklift before unpacking.
2. Remove the packaging (cardboard, plastic, and foam corners).
3. Remove the ramp.



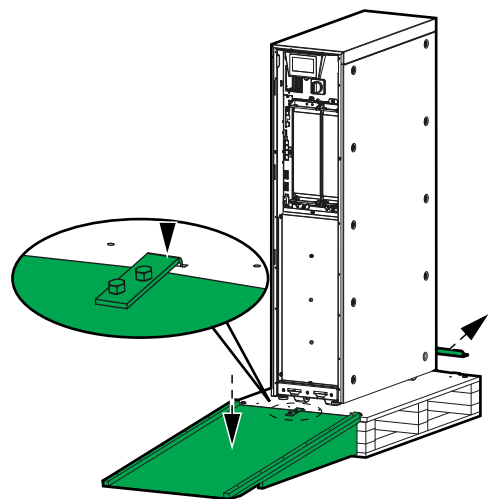
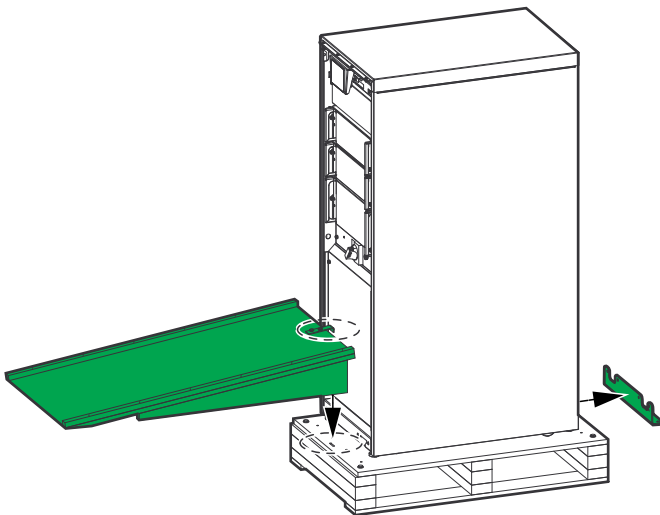
4. Remove the front panel.



5. Remove the front transportation bracket.

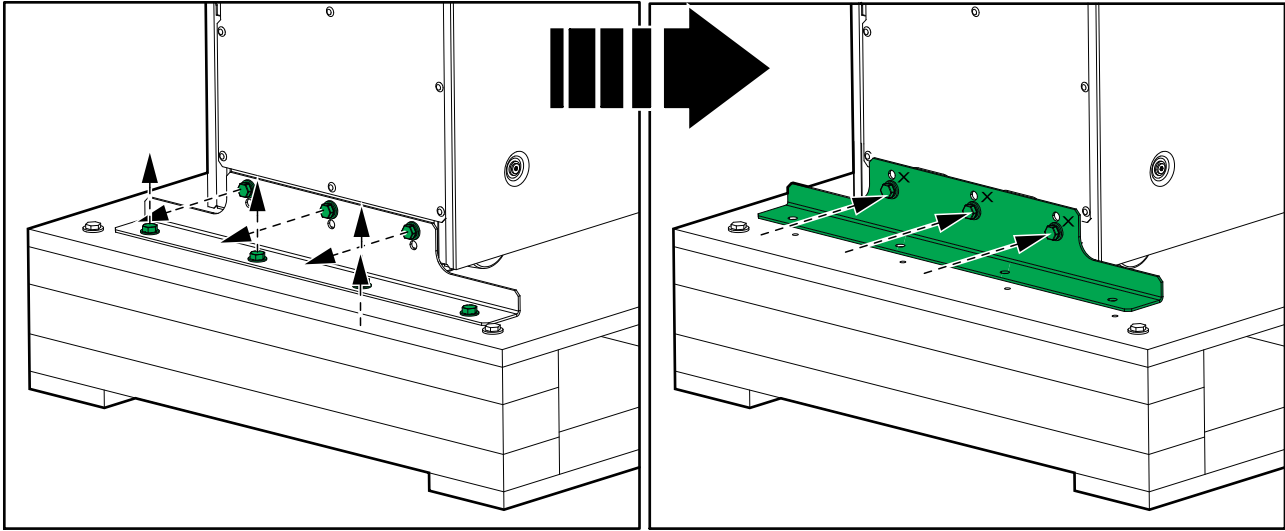


6. Attach the ramp to the pallet and remove the rear transportation bracket.



7. **For the UPS with internal batteries up to 2 battery strings:** Reinstall the rear transportation bracket in a higher position on the UPS. The UPS is top heavy and will tilt without this extra support.

Rear View of the UPS with Internal Batteries Up to 2 Battery Strings



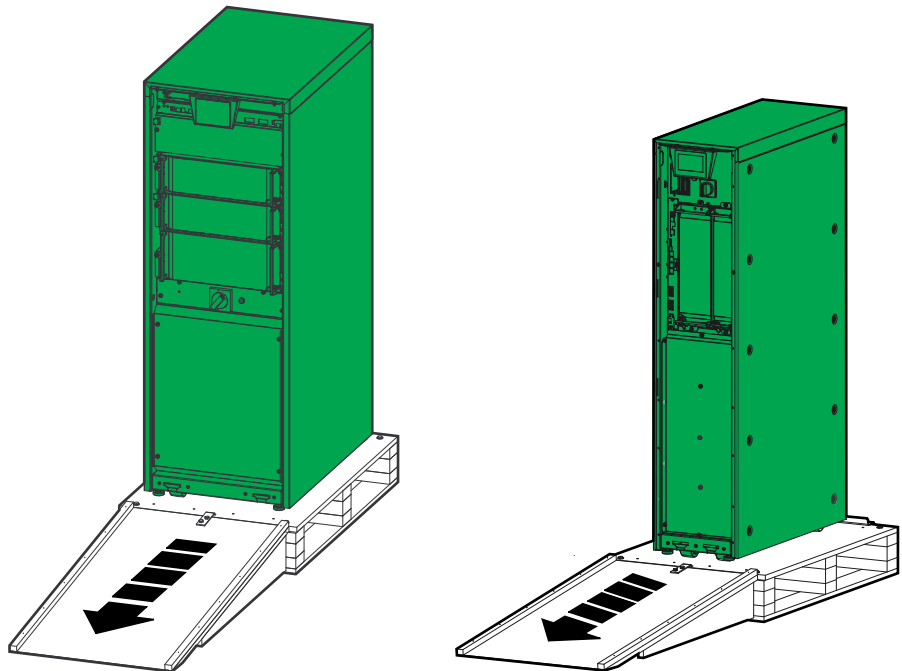
8. Roll the UPS carefully down the ramp.

⚠ CAUTION

HAZARD OF PERSONAL INJURY

- Make a clear path in front of the ramp.
- Do not stand in front of the ramp while rolling the UPS down the ramp.

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



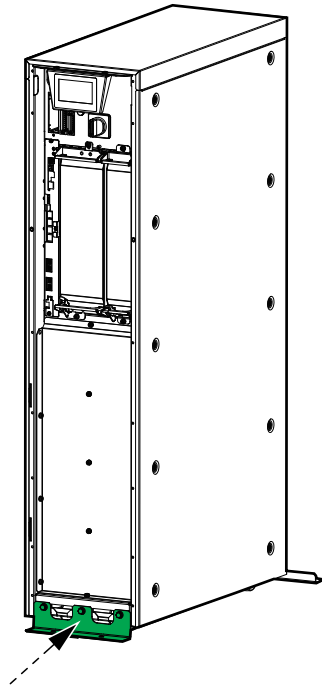
9. **For the UPS with internal batteries up to 2 battery strings:** Reinstall the front transportation bracket on the UPS.

⚠ CAUTION

TIP HAZARD

Do not remove the front and rear transportation brackets from the UPS with internal batteries up to 2 battery strings until it is time to anchor the UPS to the floor.

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



10. Reinstall the front panel on the UPS and roll the UPS to the final location.
11. Cover the UPS with the packaging bags until time of installation. Store manuals and documentation in the documentation compartment in the UPS front panel.

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