

# Galaxy VM

160–225 kVA 480 V

## Receiving and Unpacking

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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.

## **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: -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	Relative humidity: 0–95% Non-condensing	Altitude: 0–15000 m (0–50000 ft)

# Shipping Weights and Dimensions

## UPS Shipping Weights and Dimensions

Part	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
160 kVA UPS (GVMSB160KGS) Power cabinet I/O cabinet	484.5 (1068) 235 (518)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
180 kVA UPS (GVMSB180KGS) Power cabinet I/O cabinet	484.5 (1068) 235 (518)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
225 kVA UPS (GVMSB225KGS) Power cabinet I/O cabinet	510 (1124) 235 (518)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
160 kVA parallel UPS (GVMPB160KGS) Power cabinet I/O cabinet	484.5 (1068) 227 (500)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
180 kVA parallel UPS (GVMPB180KGS) Power cabinet I/O cabinet	484.5 (1068) 227 (500)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
225 kVA parallel UPS (GVMPB225KGS) Power cabinet I/O cabinet	510 (1124) 227 (500)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
160 kVA additional UPS for 1+1 configuration (GVMRB160KGS) Power cabinet I/O cabinet	484.5 (1068) 227 (500)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
180 kVA additional UPS for 1+1 configuration (GVMRB180KGS) Power cabinet I/O cabinet	484.5 (1068) 227 (500)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)
225 kVA additional UPS for 1+1 configuration (GVMRB225KGS) Power cabinet I/O cabinet	510 (1124) 227 (500)	2156 (84.88) 2150 (84.64)	740 (29.13) 750 (29.53)	1052 (41.42) 1060 (41.73)



## Output Transformer Cabinet Shipping Weights and Dimensions

Part	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
480–208 V output transformer cabinet (GVMTF225KGF)	1250 (2750)	2150 (84.65)	990 (38.98)	1060 (41.73)

## Modular Battery Cabinet Shipping Weights and Dimensions

Part	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
Modular battery cabinet wide (GVMMODBCWS) <sup>1</sup>	252 (556)	2150 (84.64)	990 (38.98)	1060 (41.73)
Modular battery cabinet narrow (GVMMODBCNS) <sup>1</sup>	164 (362)	2150 (84.64)	750 (29.83)	1060 (41.73)

## System Bypass Cabinet Shipping Weights and Dimensions

Part	Weight kg (lbs)	Height mm (in)	Width mm (in)	Depth mm (in)
System bypass cabinet 450 K 480 V (GVMSBC450KG)	560 (1235)	2045 (80.57)	1805 (71.06)	1156 (45.51)
System bypass cabinet 675 K 480 V (GVMSBC675KG)	580 (1279)	2045 (80.57)	1805 (71.06)	1156 (45.51)
System bypass cabinet 675K 480 V with load bank breaker (GVMSBCLB675KG)	675 (1488)	2045 (80.57)	2085 (82.09)	1156 (45.51)

1. The weight is without batteries. Each battery module string weights 4 x 31.5 kg (4 x 69.45 lbs)

# Receiving

## External Inspection

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

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

Verify that labelled units match the order confirmation.

# Unpack the Cabinets

## **NOTICE**

### **RISK OF EQUIPMENT DAMAGE**

Before unpacking the classic battery cabinets, ensure that all classic battery cabinets have the same Block Qty on the **Battery Information** label on the outside of the packaging. If the classic battery cabinets do not have the same Block Qty, contact Schneider Electric.

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

1. Take the key and the manuals from the plastic bags on the outside of the packaging and save for later use.

**NOTE:** For the I/O cabinet the key and the manuals are placed in the documentation holder on the rear side of the front door.

2. Cut the plastic wrap along the edges and remove.
3. Remove the cardboard cover.
4. Remove the corner protection.
5. Remove the bag.
6. Remove the kit parts from the pallet.
7. Cut the tape at the bottom of the cabinet and fold out the plastic bottom protection.
8. Remove and dispose of the silica bags.

**NOTE:** Refer to the installation manual shipped with the cabinet for information on how to remove from pallet.

Schneider Electric  
35 rue Joseph Monier  
92500 Rueil Malmaison  
France

+ 33 (0) 1 41 29 70 00

[www.schneider-electric.com](http://www.schneider-electric.com)

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