

# Galaxy 1000 PW

30–80 kVA 380/400/415 V

## Receiving & Unpacking

07/2014



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# Important Safety Information

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 an indoor, temperature-controlled area, free of conductive contaminants, where the units are protected from moisture until the time of startup. Moisture inside the cabinet can create hazardous short-circuits.

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

### **⚠ CAUTION**

#### **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, we recommend 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 injury or equipment damage.**

# Weights and Dimensions

## UPS

	Weight kg	Height mm	Width mm	Depth mm
30 kVA/24 kW	600	1900 ± 10	1015	825
40 kVA/32 kW	600	1900 ± 10	1015	825
60 kVA/48 kW	600	1900 ± 10	1015	825
80 kVA/64 kW	600	1900 ± 10	1015	825

## Empty Battery Cabinets

Weight kg	Height mm	Width mm	Depth mm
180	1900 ± 10	715	825
230	1900 ± 10	1015	825



# Receiving

## External inspection

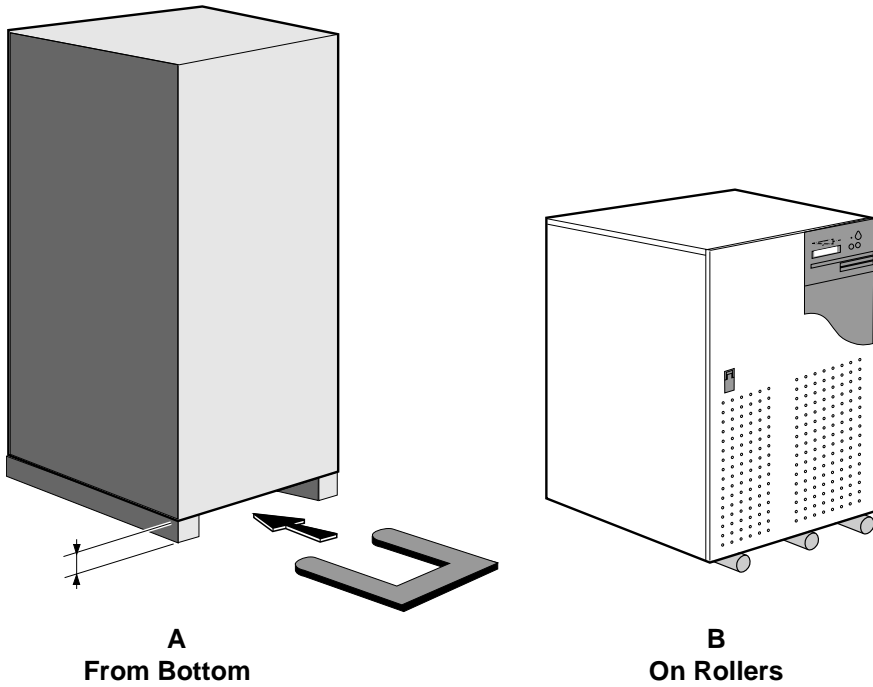
When the shipment arrives, inspect the shipping material for any signs of damage or mishandling. Do not attempt to install the system if a damage is apparent. If any damage is noted, contact Schneider Electric and file a damage claim with the shipping agency within 24 hours.

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.

# Move to Installation Site

The cabinets are delivered on pallets, equipped with a shock absorbing system. Ideally, the equipment should be unpacked just before installation. Cabinet weights and dimensions are specified on the packaging. Cabinets may be handled in one of the following ways.



## Rolling on Bars (B)

Do not mount the foot pads, but place the cabinet on the rollers (at least three). The cabinet may be pulled on rollers using a sling positioned horizontally. This technique should only be used when absolutely necessary (narrow doorway or corridor, preventing the use of a fork-lift or pallet-mover).

## From the Bottom (A)

The cabinets can be moved from the front or the rear (715 mm wide cabinets) using a pallet truck or fork-lift truck, or on the four surfaces (1015 mm and 1215 mm wide cabinets) using a fork-lift truck.

- Fork tunnel height: 140 +/- 10 mm
- Fork opening: 560, 650 or 700 mm according to cabinet width

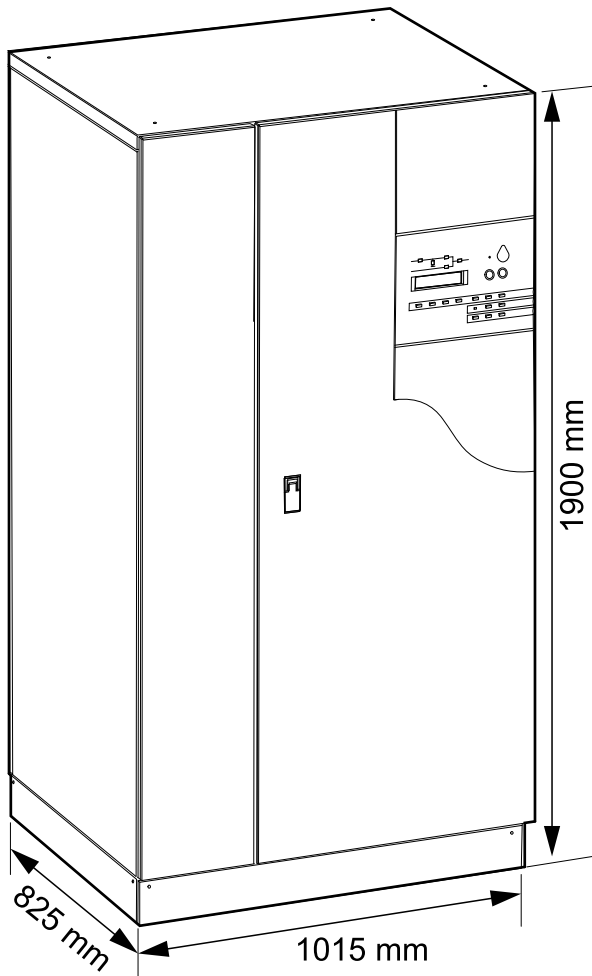
The 715 mm wide cabinets are designed to pass through 715 mm wide openings, and the other cabinets are designed to pass through 825 mm wide openings. For narrow openings, follow the instructions below.

Cabinets are normally 825 mm deep. This depth can be reduced to:

- 817 mm by removing rear panels
- 805 mm by removing doors
- 800 mm by removing doors and door hinges

When the cabinet has been unpacked, it can be handled by lifting machines on all surfaces after the pallets have been dismantled by removing the rear panels, and remove the fixing screws using a torx screwdriver.

# Handling



- Unpacked cabinets may be moved using a forklift from the front or the back. Distances must not exceed a few meters.
- After moving the cabinets to their installation location on their pallets, cabinets can be moved short distances using a forklift or pallet-mover when the front, rear and side base panels are not mounted. The forks can be inserted from all four sides into 100 mm +/- 10 mm high openings.
- The unadjusted cabinet height (H) is 1900 mm. The height can be adjusted +/- 10 mm by screwing in or out the four feet using a 13 mm flat spanner.




- The weight of the cabinet is transferred to the floor via the 40 mm diameter foot pads positioned in each corner of the cabinet.
- The cabinet depth (D) is 825 mm (800 mm without doors and panels).

# Position the Cabinets

- Prior to moving the cabinets to their final position, remove the packing material and the base panels which were shipped on top of the cabinet. The panels will be installed at the end of the installation procedure.
- Adjust the foot pads to make the cabinet vertical (first cabinet installed) or align the doors with any previously installed cabinets (subsequent cabinets ).

**NOTE:** Dispose of packing materials in compliance with applicable legislation.

# Storage

		
Storage temperature with batteries: -20 to 45°C (-4 to 113°F)	Storage temperature without batteries: -25 to 70°C (-13 to 158°F)	Relative humidity: 0 to 95% non-condensing

The equipment must be stored in a dry and well-aired location, sheltered from rain, water sprays or splashes and all chemical agents. Storage in original packing is recommended, since this packaging is designed to provide maximum protection during storage and handling. If the unit must be unpacked prior to final installation, cover the equipment with a shroud providing protection against dust, debris, or paint.

Please dispose of the packaging in accordance with the applicable legislation.

## Battery Storage

The battery is of the sealed lead-acid or vented lead-acid type and should not be stored for more than six months at 20°C without recharging for batteries that are initially fully charged (for partially charged batteries, the storage time should be reduced). After the recommended maximum storage time, the battery must be charged, requiring partial start-up of the equipment (rectifier-charger).

The battery cells can be stored at a temperature between -20°C and +45°C if delivered in their initial packing.

The ideal battery storage temperature is between 15° and 25°C (higher temperatures result in reduced storage life or downgraded technical characteristics). If higher temperatures cannot be avoided during transport or storage, please consult us.

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