

# Galaxy VS

## Parallel Maintenance Bypass Panel for Two UPSs

### Installation

GVSBPART10K30H, GVSBPART40K50H, GVSBPART60K120H

7/2019



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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.

## Electromagnetic Compatibility

### **NOTICE**

#### **RISK OF ELECTROMAGNETIC DISTURBANCE**

This is a product category C2 UPS product. In a residential environment, this product may cause radio interference, in which case the user may be required to take additional measures.

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

## Safety Precautions

### **⚡⚠ DANGER**

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

Read all instructions in the installation manual before installing or working on this product.

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

### **⚡⚠ DANGER**

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

Do not install the product until all construction work has been completed and the installation room has been cleaned.

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

### **⚡⚠ DANGER**

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

The product must be installed according to the specifications and requirements as defined by Schneider Electric. It concerns in particular the external and internal protections (upstream breakers, battery breakers, cabling, etc.) and environmental requirements. No responsibility is assumed by Schneider Electric if these requirements are not respected.

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

### **⚡⚠ DANGER**

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

The UPS system must be installed according to local and national regulations. Install the UPS according to:

- IEC 60364 (including 60364-4-41- protection against electric shock, 60364-4-42 - protection against thermal effect, and 60364-4-43 - protection against overcurrent), **or**
- NEC NFPA 70, **or**
- Canadian Electrical Code (C22.1, Part 1)

depending on which one of the standards apply in your local area.

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

**⚠️⚠️ DANGER**

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

- Install the product in a temperature controlled indoor environment free of conductive contaminants and humidity.
- Install the product on a non-flammable, level and solid surface (e.g. concrete) that can support the weight of the system.

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

**⚠️⚠️ DANGER**

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

The product is not designed for and must therefore not be installed in the following unusual operating environments:

- Damaging fumes
- Explosive mixtures of dust or gases, corrosive gases, or conductive or radiant heat from other sources
- Moisture, abrasive dust, steam or in an excessively damp environment
- Fungus, insects, vermin
- Salt-laden air or contaminated cooling refrigerant
- Pollution degree higher than 2 according to IEC 60664-1
- Exposure to abnormal vibrations, shocks, and tilting
- Exposure to direct sunlight, heat sources, or strong electromagnetic fields

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

**⚠️⚠️ DANGER**

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

Do not drill or cut holes for cables or conduits with the gland plates installed and do not drill or cut holes in close proximity to the UPS.

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

**⚠️⚠️ WARNING**

**HAZARD OF ARC FLASH**

Do not make mechanical changes to the product (including removal of cabinet parts or drilling/cutting of holes) that are not described in the installation manual.

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

**NOTICE**

**RISK OF OVERHEATING**

Respect the space requirements around the product and do not cover the ventilation openings when the product is in operation.

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

## Additional Safety Precautions After Installation

### **DANGER**

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

Do not install the UPS system until all construction work has been completed and the installation room has been cleaned. If additional construction work is needed in the installation room after this product has been installed, turn off the product and cover the product with the protective packaging bag the product was delivered in.

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

## Electrical Safety

This manual contains important safety instructions that should be followed during the installation and maintenance of the UPS system.

### **DANGER**

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

- Electrical equipment must be installed, operated, serviced, and maintained only by qualified personnel.
- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- Disconnection devices for AC and DC must be provided by others, be readily accessible, and the function of the disconnect device marked for its function.
- Turn off all power supplying the UPS system before working on or inside the equipment.
- Before working on the UPS system, check for hazardous voltage between all terminals including the protective earth.
- The UPS contains an internal energy source. Hazardous voltage can be present even when disconnected from the mains supply. Before installing or servicing the UPS system, ensure that the units are OFF and that mains and batteries are disconnected. Wait five minutes before opening the UPS to allow the capacitors to discharge.
- The UPS must be properly earthed/grounded and due to a high leakage current, the earthing/grounding conductor must be connected first.

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

When the UPS input is connected through external isolators that, when opened, isolate the neutral or when the automatic backfeed isolation is provided external to the equipment or is connected to an IT power distribution system, a label must be fitted at the UPS input terminals, and on all primary power isolators installed remotely from the UPS area and on external access points between such isolators and the UPS, by the user, displaying the following text (or equivalent in a language which is acceptable in the country in which the UPS system is installed):

### **DANGER**

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

Risk of voltage backfeed. Before working on this circuit: Isolate the UPS and check for hazardous voltage between all terminals including the protective earth.

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



# Specifications

**NOTE:** Maximum short circuit rating: 10 kA RMS symmetrical.

For a 1+1 parallel system for redundancy, the parallel maintenance bypass panel can support a load of up to 120 kW/kVA as long as the neutral current (250 A) is not exceeded:

- at 380 V, the maximum neutral current capability is reached with a 95 kVA non-linear load.
- at 400 V, the maximum neutral current capability is reached with a 100 kVA non-linear load.

For a 2+0 parallel system for capacity, the parallel maintenance bypass panel can support a load of up to 240 kW/kVA as long as the neutral current (500 A) is not exceeded:

- at 380 V, the maximum neutral current capability is reached with a 190 kVA non-linear load.
- at 400 V, the maximum neutral current capability is reached with a 200 kVA non-linear load.

## Recommended Upstream Protection

**NOTE:** For local directives which require 4-pole circuit breakers: If neutral conductor is expected to carry a high current, due to line-neutral non-linear load, the circuit breaker must be rated according to expected neutral current.

### Upstream Input Breaker

<b>Commercial reference</b>	<b>GVSBPAR10K30H</b>					
<b>Parallel system type</b>	<b>Capacity (2+0)</b>			<b>Redundancy (1+1)</b>		
<b>Parallel system rating</b>	<b>20 kW</b>	<b>40 kW</b>	<b>60 kW</b>	<b>10 kW</b>	<b>20 kW</b>	<b>30 kW</b>
Breaker type	LV429674	LV429671	LV430671	LV429676	LV429674	LV429672
In (A)	40	80	125	25	40	63
Ir (A)	40	80	125	20	40	63
Im (A)	500 (fixed)	640 (fixed)	1250 (fixed)	300 (fixed)	500 (fixed)	

### Upstream Input Breaker

<b>Commercial reference</b>	<b>GVSBPAR40K50H</b>			
<b>Parallel system type</b>	<b>Capacity (2+0)</b>		<b>Redundancy (1+1)</b>	
<b>Parallel system rating</b>	<b>80 kW</b>	<b>100 kW</b>	<b>40 kW</b>	<b>50 kW</b>
Breaker type	LV430670	LV431671	LV429671	LV429670
In (A)	160	200	80	100
Ir (A)	160	200	80	100
Im (A)	1250 (fixed)	5-10 x In	640 (fixed)	800 (fixed)

## Upstream Input Breaker

Commercial reference	GVSBPAR60K120H							
Parallel system type	Capacity (2+0)				Redundancy (1+1)			
Parallel system rating	120 kW	160 kW	200 kW	240 kW	60 kW	80 kW	100 kW	120 kW
Breaker type	LV431670	LV432695	LV432695	LV432895	LV430671	LV430670	LV431671	LV431670
In (A)	250	320	400	500	125	160	200	250
Ir (A)	250	1	0.94		125	160	200	250
Im (A) / I <sub>sd</sub> (A)	5-10 x In	1.5-10			1250 (fixed)		5-10 x In	

## Recommended Cable Sizes

### **⚠ DANGER**

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

All wiring must comply with all applicable national and/or electrical codes.

- The maximum allowable input cable and load cable size is 35 mm<sup>2</sup> and the maximum allowable UPS input/output cable size is 16 mm<sup>2</sup> for GVSBPAR10K30H.
- The maximum allowable input cable and load cable size is 70 mm<sup>2</sup> and the maximum allowable UPS input/output cable size is 25 mm<sup>2</sup> for GVSBPAR40K50H.
- The maximum allowable input cable and load cable size is 185 mm<sup>2</sup> and the maximum allowable UPS input/output cable size is 50 mm<sup>2</sup> for GVSBPAR60K120H.

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

**NOTE:** Overcurrent protection is to be provided by others.

Cable sizes in this manual are based on table B.52.5 of IEC 60364-5-52 with the following assertions:

- 90 °C conductors
- An ambient temperature of 30 °C
- Use of copper or aluminum conductors
- Installation method C

PE size is based on table 54.2 of IEC 60364-4-54.

If the ambient temperature is greater than 30 °C, larger conductors are to be selected in accordance with the correction factors of the IEC. Aluminum cables are not recommended for ambient temperatures over 30 °C.

**Copper**

Commercial reference	GVSBPAR10K30H						GVSBPAR40K50H			
Parallel system type	Capacity (2+0)			Redundancy (1+1)			Capacity (2+0)		Redundancy (1+1)	
Parallel system rating	20 kW	40 kW	60 kW	10 kW	20 kW	30 kW	80 kW	100 kW	40 kW	50 kW
Input (mm <sup>2</sup> )	6	16	35	6	6	10	50	70	16	25
Input PE (mm <sup>2</sup> )	6	16	16	6	6	10	25	35	16	16
Input N (mm <sup>2</sup> ) <sup>1</sup>	10	35	2 x 16	6	10	16	2 x 50	2 x 70	35	50
UPS input (mm <sup>2</sup> )	6	6	10	6	6	10	16	25	16	25
UPS output (mm <sup>2</sup> )	6	6	10	6	6	10	16	16	16	16
UPS PE (mm <sup>2</sup> )	6	6	10	6	6	10	16	16	16	16
UPS N (mm <sup>2</sup> ) <sup>1</sup>	6	10	16	6	10	16	2 x 16	2 x 16	2 x 16	2 x 16
Load (mm <sup>2</sup> )	6	16	25	6	6	10	50	70	16	16
Load PE (mm <sup>2</sup> )	6	16	16	6	6	10	25	35	16	16
Load N (mm <sup>2</sup> ) <sup>1</sup>	10	35	2 x 16	6	10	16	2x50	2x70	35	50

**Copper**

Commercial reference	GVSBPAR60K120H							
Parallel system type	Capacity (2+0)				Redundancy (1+1)			
Parallel system rating	120 kW	160 kW	200 kW	240 kW	60 kW	80 kW	100 kW	120 kW
Input (mm <sup>2</sup> )	95	120	185	2 x 120	35	50	70	95
Input PE (mm <sup>2</sup> )	50	70	95	120	25	25	35	50
Input N (mm <sup>2</sup> ) <sup>1</sup>	120	2 x 120	2 x 150	3 x 150	50	95	120	120
UPS input (mm <sup>2</sup> )	35	50	2 x 25	2 x 50	35	50	2 x 25	2 x 50
UPS output (mm <sup>2</sup> )	25	50	2 x 25	2 x 35	25	50	2 x 25	2 x 35
UPS PE (mm <sup>2</sup> )	25	25	35	50	25	25	35	50
UPS N (mm <sup>2</sup> ) <sup>1</sup>	50	95	3 x 35	3 x 35	50	2 x 50	3 x 35	3 x 35
Load (mm <sup>2</sup> )	95	120	185	2 x 95	25	50	70	95
Load PE (mm <sup>2</sup> )	50	70	95	95	16	25	35	50
Load N (mm <sup>2</sup> ) <sup>1</sup>	120	2 x 120	2 x 150	3 x 150	50	95	120	120

**Aluminum**

Commercial reference	GVSBPAR10K30H						GVSBPAR40K50H			
Parallel system type	Capacity (2+0)			Redundancy (1+1)			Capacity (2+0)		Redundancy (1+1)	
Parallel system rating	20 kW	40 kW	60 kW	10 kW	20 kW	30 kW	80 kW	100 kW	40 kW	50 kW
Input (mm <sup>2</sup> )	6	25	NA	6	6	NA	70	NA	25	NA
Input PE (mm <sup>2</sup> )	6	16	NA	6	6	NA	35	NA	16	NA
Input N (mm <sup>2</sup> ) <sup>1</sup>	2 x 16	2 x 16	NA	6	16	NA	2 x 70	NA	50	NA

1. Neutral conductor is sized to handle 1.73 times phase current in case of high harmonic content from non-linear loads. If no or low harmonic currents are expected, the neutral conductor can be sized as the phase conductor.

**Aluminum (Continued)**

Commercial reference	GVSBPAR10K30H						GVSBPAR40K50H			
Parallel system type	Capacity (2+0)			Redundancy (1+1)			Capacity (2+0)		Redundancy (1+1)	
Parallel system rating	20 kW	40 kW	60 kW	10 kW	20 kW	30 kW	80 kW	100 kW	40 kW	50 kW
UPS input (mm <sup>2</sup> )	6	6	NA	6	6	NA	25	NA	25	NA
UPS output (mm <sup>2</sup> )	6	6	NA	6	6	NA	16	NA	16	NA
UPS PE (mm <sup>2</sup> )	6	6	NA	6	6	NA	16	NA	16	NA
UPS N (mm <sup>2</sup> ) <sup>2</sup>	6	16	NA	6	16	NA	2 x 16	NA	2 x 16	NA
Load (mm <sup>2</sup> )	6	16	NA	6	6	NA	70	NA	16	NA
Load PE (mm <sup>2</sup> )	6	16	NA	6	6	NA	35	NA	16	NA
Load N (mm <sup>2</sup> ) <sup>2</sup>	16	2 x 16	NA	6	2 x 16	NA	2 x 70	NA	50	NA

**Aluminum**

Commercial reference	GVSBPAR60K120H							
Parallel system type	Capacity (2+0)				Redundancy (1+1)			
Parallel system rating	120 kW	160 kW	200 kW	240 kW	60 kW	80 kW	100 kW	120 kW
Input (mm <sup>2</sup> )	150	185	2 x 120	NA	50	70	95	NA
Input PE (mm <sup>2</sup> )	95	95	150	NA	25	70	50	NA
Input N (mm <sup>2</sup> ) <sup>2</sup>	185	2 x 120	3 x 150	NA	70	150	185	NA
UPS input (mm <sup>2</sup> )	50	2 x 35	2 x 50	NA	50	2 x 35	2 x 50	NA
UPS output (mm <sup>2</sup> )	50	2 x 35	2 x 35	NA	50	2 x 35	2 x 35	NA
UPS PE (mm <sup>2</sup> )	25	35	50	NA	25	35	50	NA
UPS N (mm <sup>2</sup> ) <sup>2</sup>	2 x 35	3 x 35	3 x 50	NA	2 x 35	3 x 35	3 x 50	NA
Load (mm <sup>2</sup> )	120	185	2 x 120	NA	50	70	95	NA
Load PE (mm <sup>2</sup> )	70	95	120	NA	25	35	50	NA
Load N (mm <sup>2</sup> ) <sup>2</sup>	185	2 x 120	4 x 95	NA	70	150	185	NA

**Torque Specifications**

Bolt size	Torque
M4	1.7 Nm
M5	2.2 Nm
M6	5 Nm
M8	17.5 Nm
M10	30 Nm

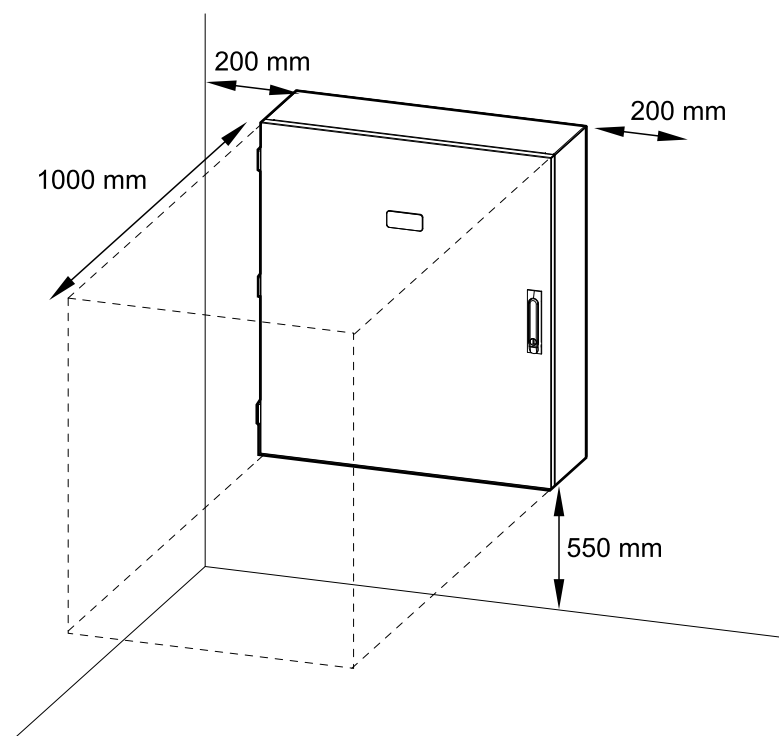
2. Neutral conductor is sized to handle 1.73 times phase current in case of high harmonic content from non-linear loads. If no or low harmonic currents are expected, the neutral conductor can be sized as the phase conductor.

## Parallel Maintenance Bypass Panel Weights and Dimensions

Commercial reference	Weight kg	Height mm	Width mm	Depth mm
GVSBP10K30H	35	700	650	210
GVSBP40K50H	50	850	750	250
GVSBP60K120H	83	1000	900	280

## Clearance

**NOTE:** Clearance dimensions are published for airflow and service access only. Consult with the local safety codes and standards for additional requirements in your local area.



## Environment

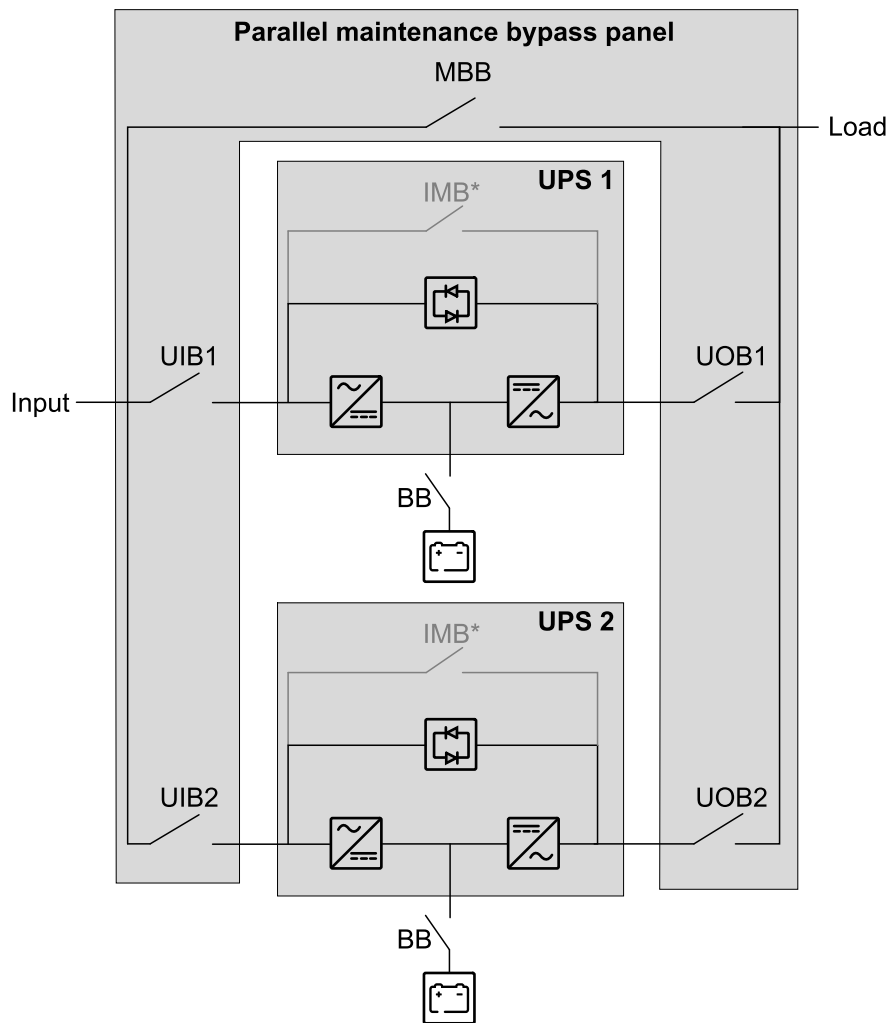
	Operating	Storage
Temperature	0 °C to 40 °C	-25 °C to 55 °C
Relative humidity	0-95% non-condensing	0-95% non-condensing
Elevation	0-3000 m	
Protection class	IP20	
Color	RAL 9003, gloss level 85%	

## One Line Diagram

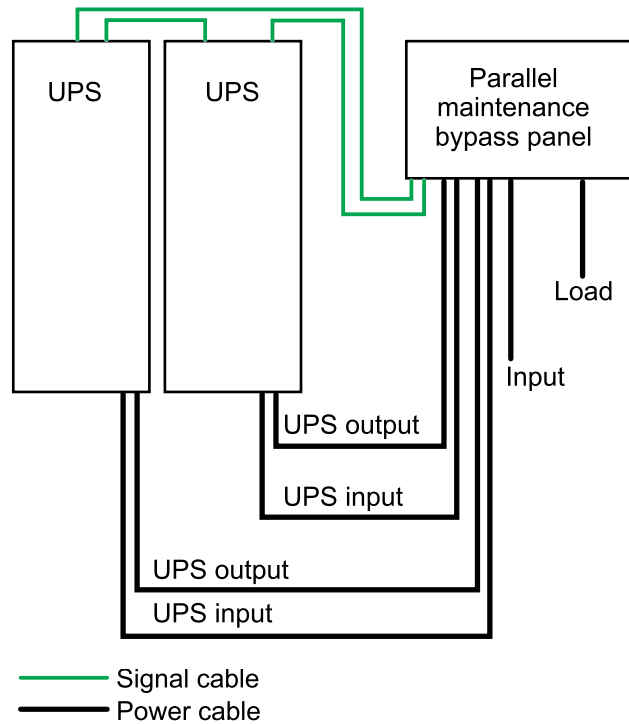
UIB1	Unit input breaker for UPS 1
UIB2	Unit input breaker for UPS 2
MBB	Maintenance bypass breaker
IMB	Internal maintenance breaker
UOB1	Unit output breaker for UPS 1
UOB2	Unit output breaker for UPS 2
BB	Battery breaker

The parallel maintenance bypass panel is used in single mains systems to parallel two UPSs for either capacity or redundancy.

**NOTE:** The internal maintenance breaker IMB\* in the UPS cannot be used in a system with a parallel maintenance bypass panel and the internal maintenance breaker IMB\* must be padlocked in the open position.



# Installation Procedure



1. *Mount the Parallel Maintenance Bypass Panel to the Wall, page 16.*
2. *Prepare for Cables, page 19.*
3. Only in countries where required: *Remove the Neutral Jumper (Option), page 20.*
4. Perform one of the following:
  - *Connect the Power Cables on GVSBPART10K30H, page 22, or*
  - *Connect the Power Cables on GVSBPART40K50H, page 23, or*
  - *Connect the Power Cables on GVSBPART60K120H, page 24.*
5. *Connect the Signal Cables, page 25.*
6. *Add Translated Safety Labels to Your Product, page 27.*

# Mount the Parallel Maintenance Bypass Panel to the Wall

## **▲ CAUTION**

### **RISK OF INJURY OR EQUIPMENT DAMAGE**

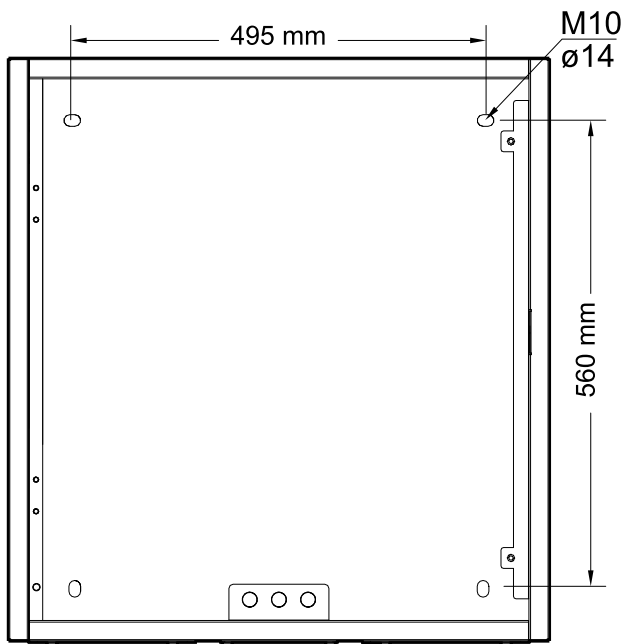
- Mount the parallel maintenance bypass panel to a wall or a rack that is structurally sound and able to support the weight of the unit.
- Use appropriate hardware for the wall/rack type.

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

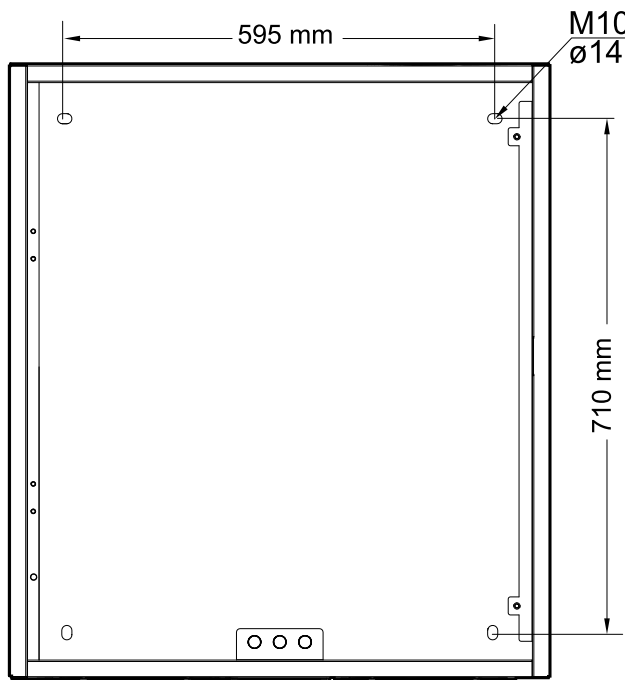


1. Measure and mark the four mounting hole locations on the wall.

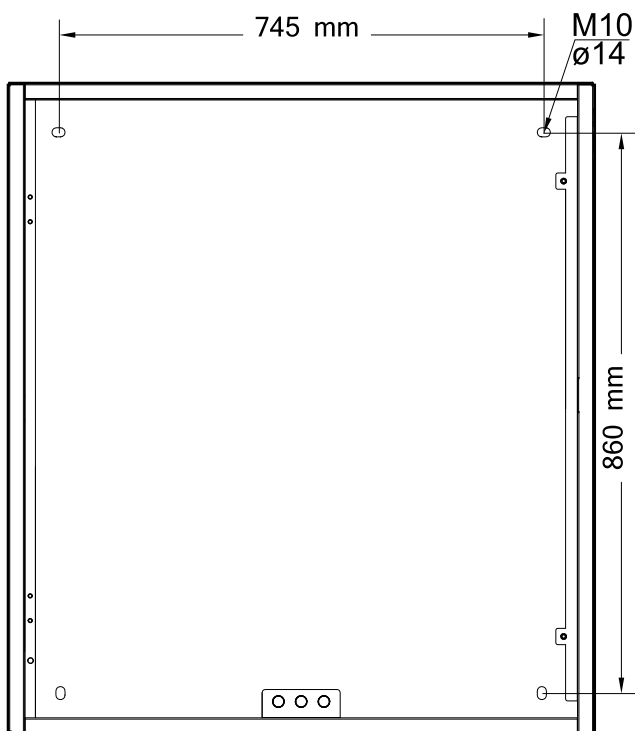
**GVSBP10K30H**



**GVSBP40K50H**

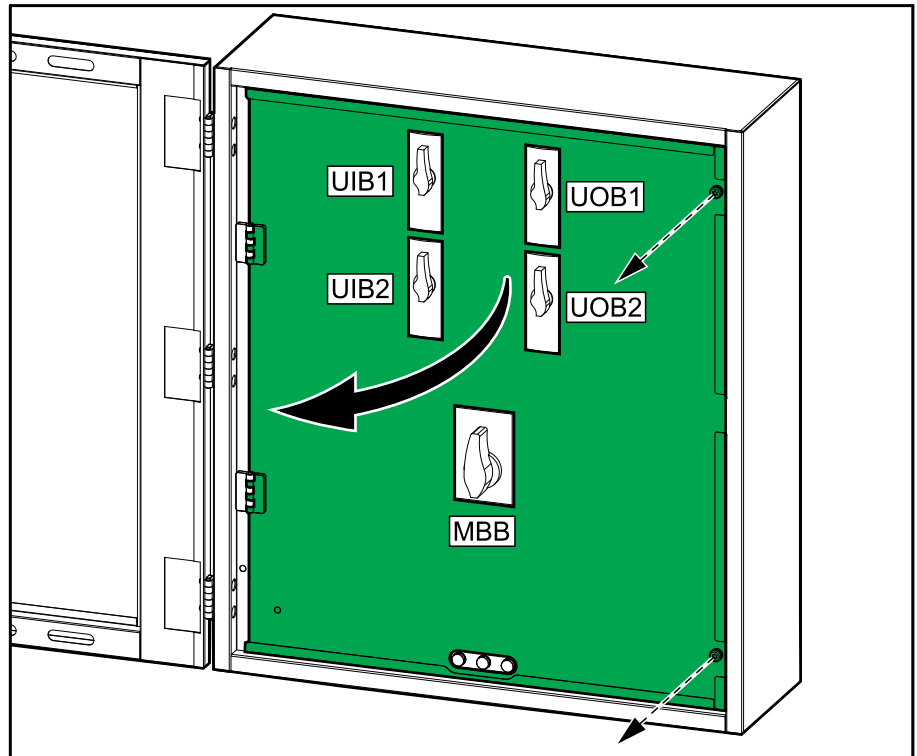


**GVSBP60K120H**



2. Drill holes in each of the four marked locations and mount the anchor bolts.

3. Remove the screws and open the inner door in the parallel maintenance bypass panel.



4. Mount the parallel maintenance bypass panel to the wall.

# Prepare for Cables

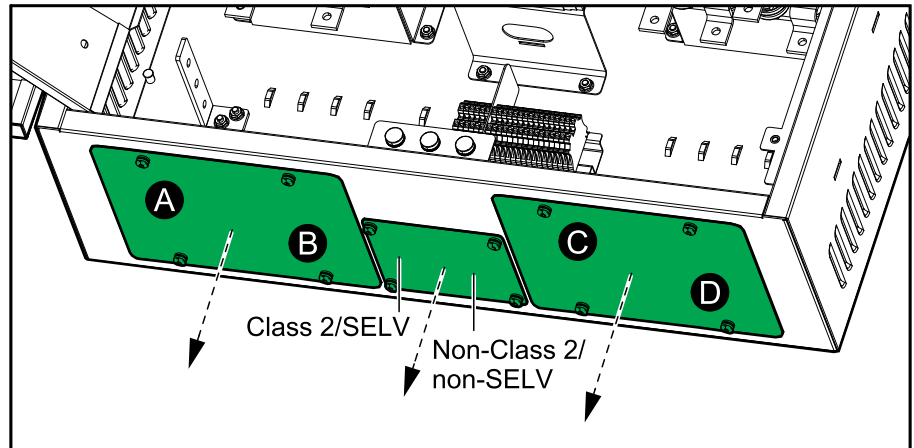
## ⚠ DANGER

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

Do not drill or punch holes with the gland plates installed and do not drill or punch holes in close proximity to the cabinet.

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

1. Remove the bottom gland plates.



2. Drill or punch holes for power cables and signal cables or grommets in the gland plates. UPS input (A), input (B), load (C), UPS output (D).
3. Install grommets (if applicable) and reinstall the gland plates.

## ⚠ DANGER

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

Ensure that there are no sharp edges that can damage the cables.

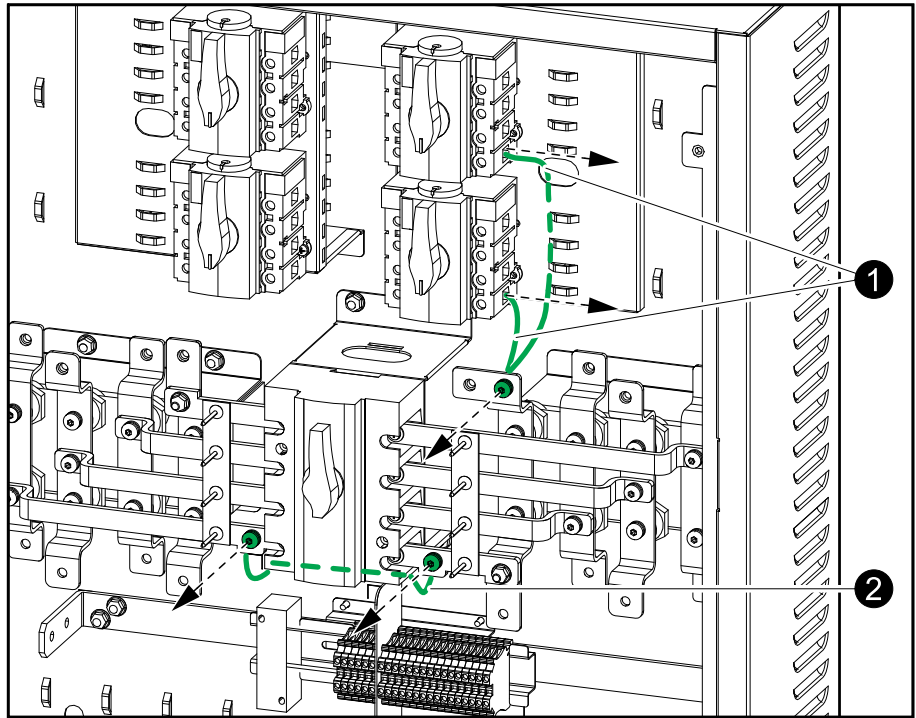
**Failure to follow these instructions will result in death or serious injury.**

## Remove the Neutral Jumper (Option)

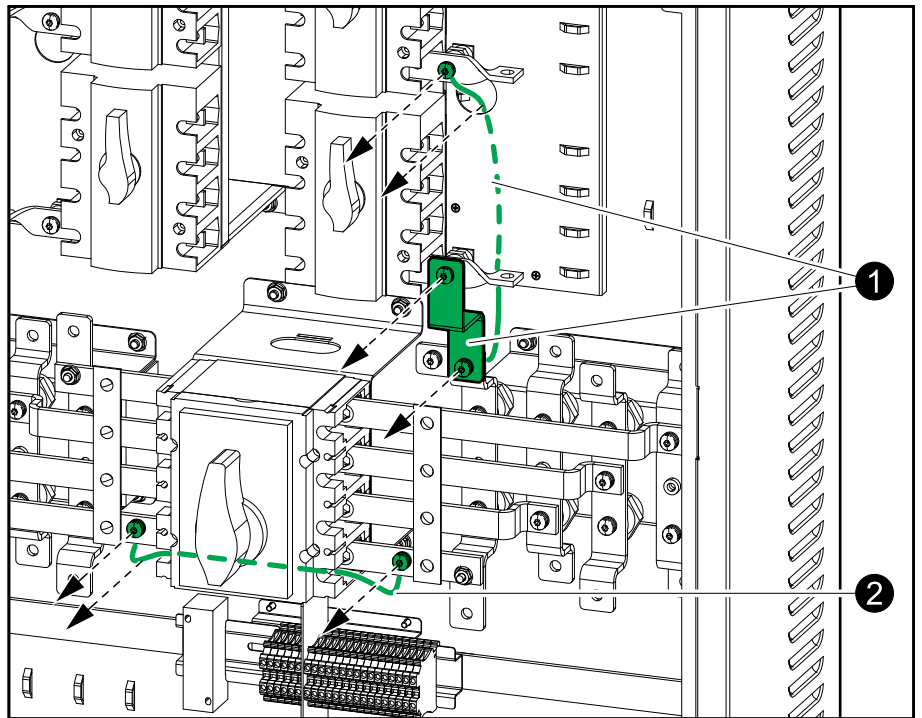
**NOTE:** The neutral jumper makes a bolted connection of the neutral so that the neutral is not disconnected when the 4-pole breakers are opened. Only remove the neutral jumpers if this is a local requirement.

1. Remove the neutral jumpers (cable and/or busbar) between UOB1 and UOB2. Reinstall the screws in the same position.
2. Remove the neutral jumpers on the MBB (cable or busbar).

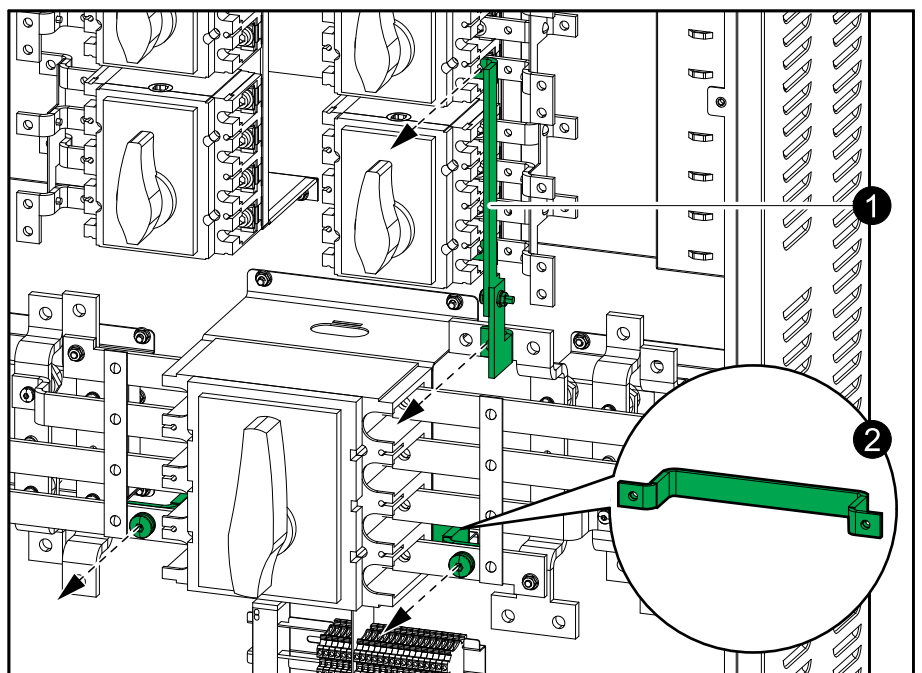
### GVSBBPAR10K30H



**GVSBP40K50H**

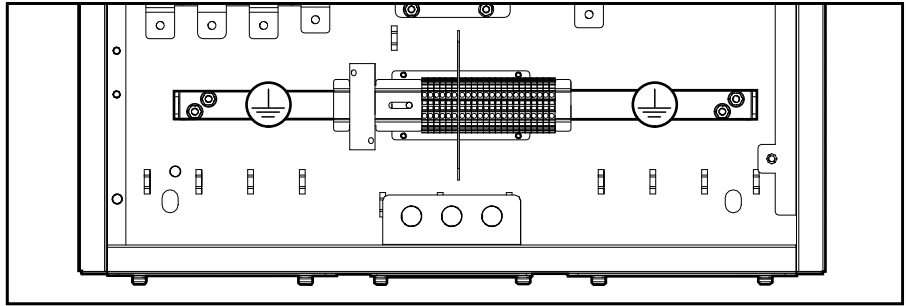


**GVSBP60K120H**

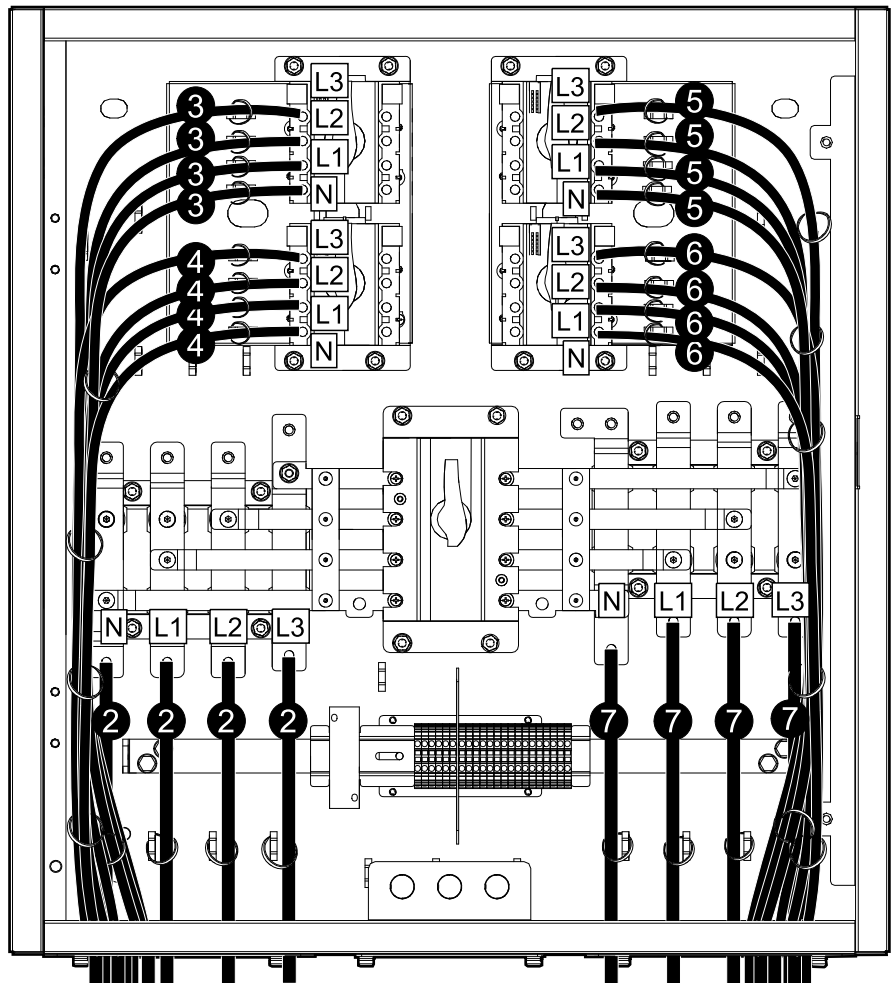


# Connect the Power Cables on GVSBP10K30H

1. Connect the PE cables to the PE busbar.



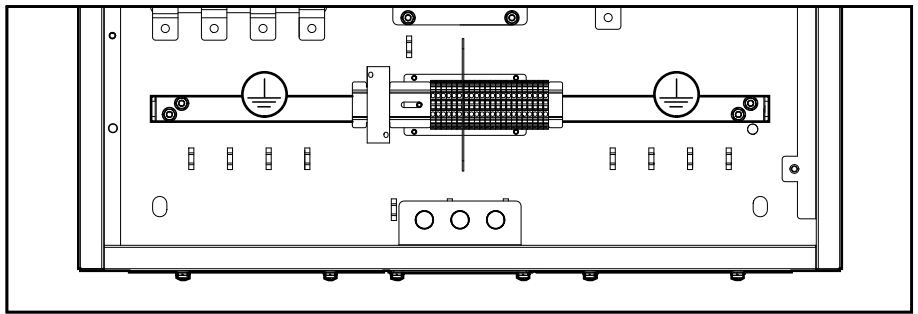
2. Connect the input cables from utility/mains.



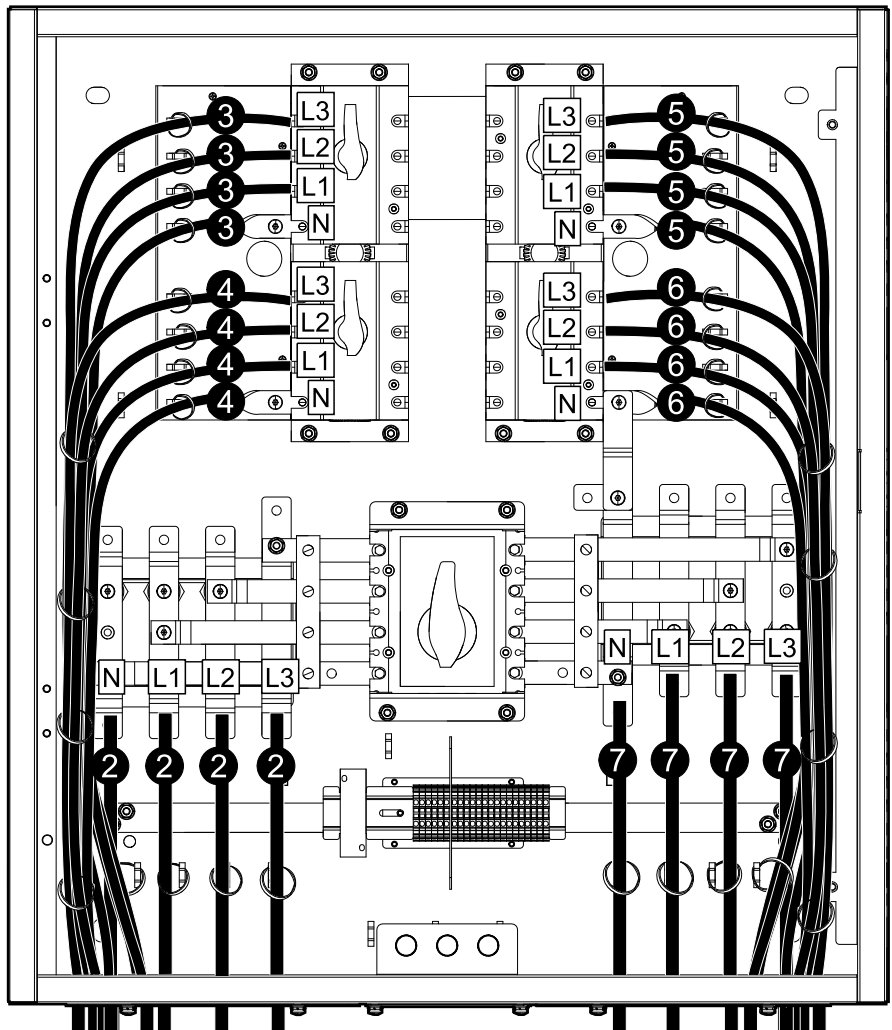
3. Connect the UPS input cables from UPS 1.
4. Connect the UPS input cables from UPS 2.
5. Connect the UPS output cables from UPS 1.
6. Connect the UPS output cables from UPS 2.
7. Connect the load cables.
8. Fasten the cables with cable ties (provided) to the cable reliefs as shown.

# Connect the Power Cables on GVSBP40K50H

1. Connect the PE cables to the PE busbar.



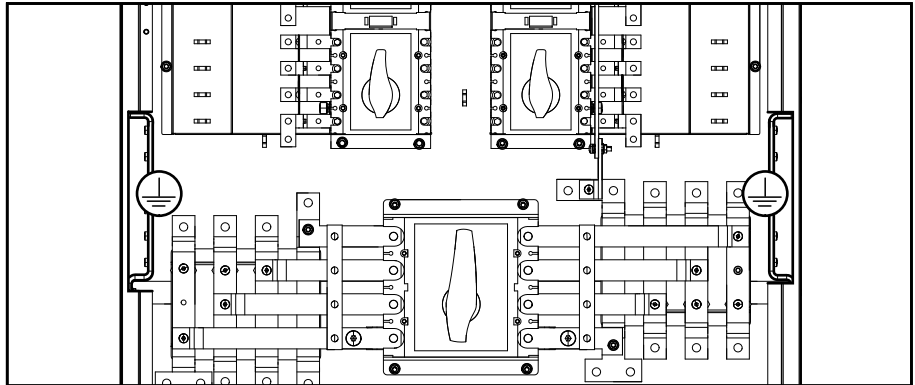
2. Connect the input cables from utility/mains.



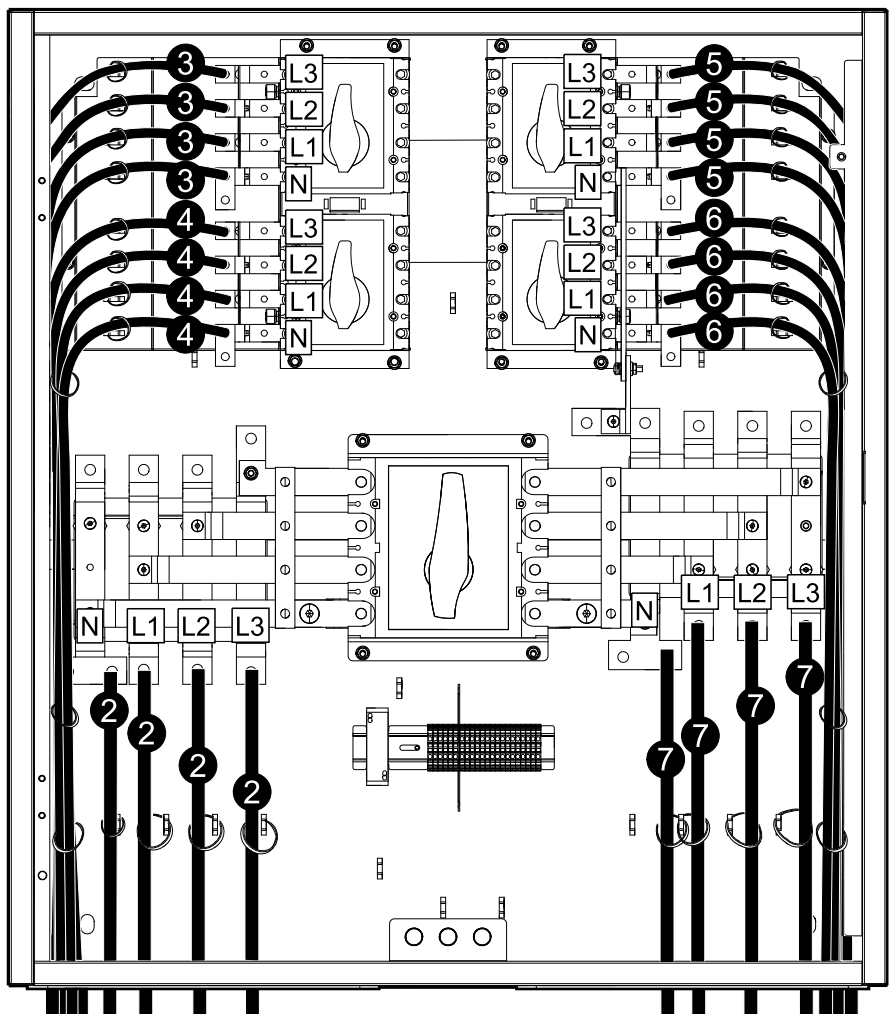
3. Connect the UPS input cables from UPS 1.
4. Connect the UPS input cables from UPS 2.
5. Connect the UPS output cables from UPS 1.
6. Connect the UPS output cables from UPS 2.
7. Connect the load cables.
8. Fasten the cables with cable ties (provided) to the cable reliefs as shown.

# Connect the Power Cables on GVSBBPAR60K120H

1. Connect the PE cables to the PE busbar.



2. Connect the input cables from utility/mains.



3. Connect the UPS input cables from UPS 1.
4. Connect the UPS input cables from UPS 2.
5. Connect the UPS output cables from UPS 1.
6. Connect the UPS output cables from UPS 2.
7. Connect the load cables.
8. Fasten the cables with cable ties (provided) to the cable reliefs as shown.



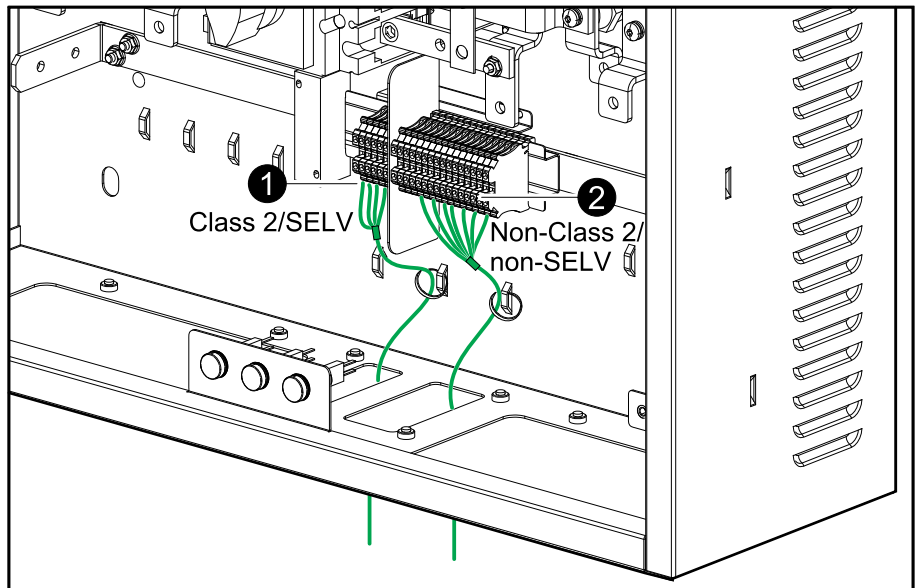
## Connect the Signal Cables

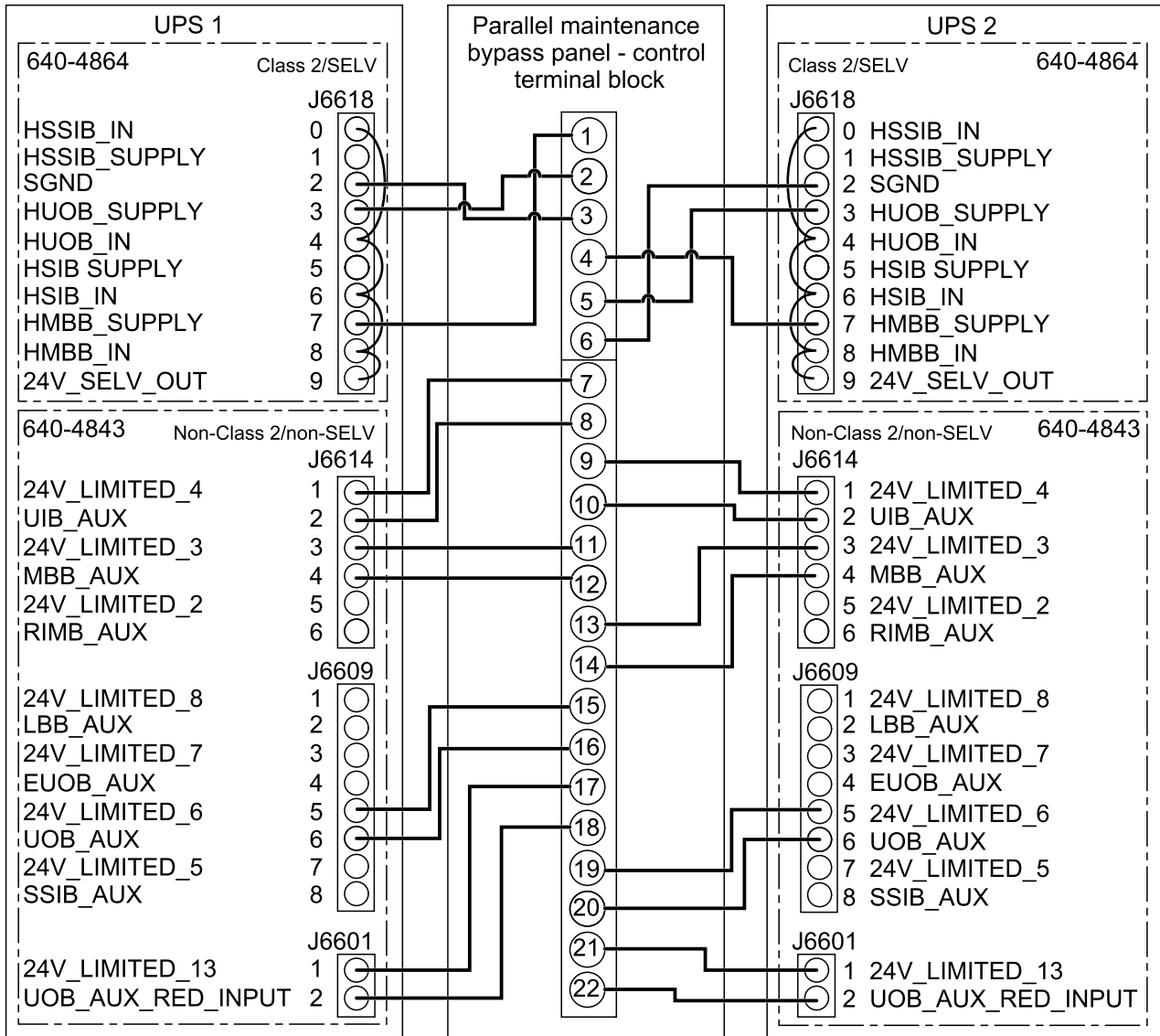
**NOTE:** Route the signal cables separately from the power cables and route the Class 2/SELV cables separately from the non-Class 2/non-SELV cables.

1. Connect the Class 2/SELV signal cables for the breaker indicator lights from the control terminal block in the parallel maintenance bypass panel to UPS 1 and UPS 2.

**NOTE:** The breaker indicator light circuit is considered Class 2/SELV. Class 2/SELV circuits must be isolated from the primary circuitry. Do not connect any circuit to the breaker indicator light terminals unless it can be confirmed that the circuit is Class 2/SELV.

2. Connect the non-Class 2/non-SELV signal cables from the control terminal block in the parallel maintenance bypass panel to UPS 1 and UPS 2.
3. Pull up the slack in the signal cables and fasten the signal cables to the cable reliefs.





## Add Translated Safety Labels to Your Product

The safety labels on your product are in English and French. Sheets with translated safety labels are provided with your product.

1. Find the sheets with translated safety labels provided with your product.
2. Check which 885-XXX numbers are on the sheet with translated safety labels.
3. Locate the safety labels on your product that match the translated safety labels on the sheet – look for the 885-XXX numbers.
4. Add the replacement safety label in your preferred language to your product on top of the existing French safety label.

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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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