

# Vertiv™ Liebert® GXT5 UPS

## 500-3000VA LV, 120V In, 120V Out



### Quick Installation Guide

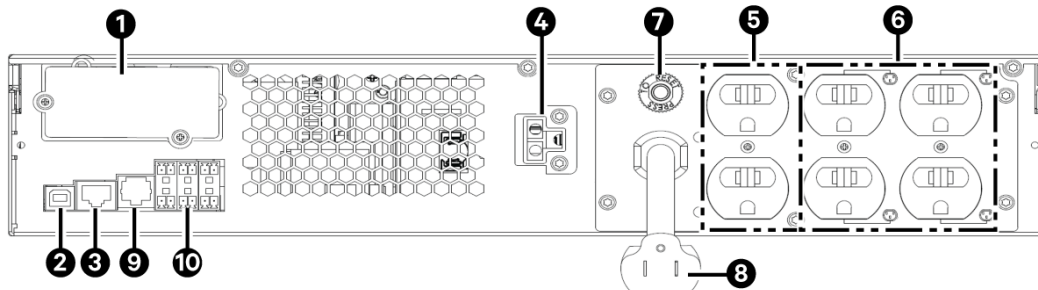


Thank you for your recent purchase of a Vertiv UPS! We appreciate your business and are confident that your new product will provide many years of uninterruptible power to your connected equipment. With this purchase, you may also want to consider Vertiv's complete line of racks, PDUs, thermal solutions, KVM switches, and serial consoles. Vertiv also offers a broad array of services and extended warranties. If you require any assistance or support please don't hesitate to reach out to one of our resellers, local rep firms, or directly to us at 1-800-222-5877 menu option 1. We stand ready to support you. We sincerely hope that you'll continue to select Vertiv for all of your future infrastructure needs!

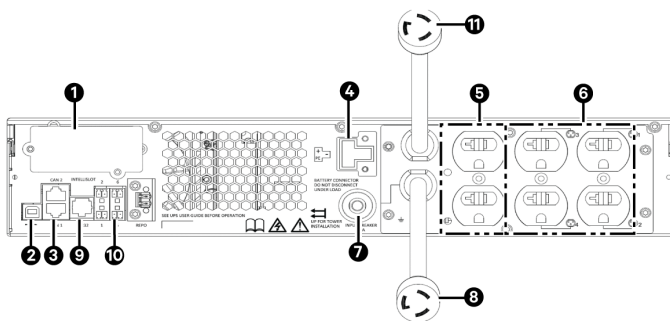
The Vertiv Team

#### Model Design Configurations

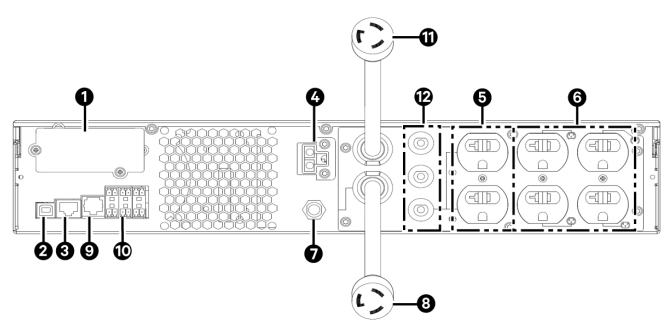
GXT5-500/750/1000/1500LVRT2UXL and GXT5-1000/1500LVRT2UXLTAA



GXT5-2000LVRT2UXL and GXT5-2000LVRT2UXLTAA



GXT5-3000LVRT2UXL and GXT5-3000LVRT2UXLTAA



**IMPORTANT:** Before installing, connecting to supply, or operating your Vertiv™ Liebert® GXT5 UPS, please review the Safety and Regulatory Statements sheet. For detailed installation, operating, maintenance and troubleshooting information refer to the GXT5 User Guide for your model by scanning the QR code above, or visiting [www.vertiv.com](http://www.vertiv.com).

Item	Description	Item	Description
1	Vertiv™ Liebert® IntelliSlot™ Port	7	Input circuit breaker
2	USB port	8	Input power plug and cable
3	RS-485 port - Used for external temperature sensors	9	RS-232 port - Used for CLI
4	External battery connector	10	Dry contacts, Battery Detection (3), REPO input (REPO)
5	Non-programmable output receptacles	11	Output power plug and cable
6	Programmable output receptacles	12	Output circuit breaker

## Pre-Installation Checks

### 1. Inspecting the UPS

Visually inspect the UPS for any damage. If damage is visible, do not install the unit and call our warranty support line for assistance at 1-800-222- 5877 menu option 3, or email at [microups.warranty@vertiv.com](mailto:microups.warranty@vertiv.com).

### 2. Conditions for Installation

Install the UPS in a temperature controlled environment that is free of corrosive and conductive contaminants. Avoid locations near heat or water sources and exposed to direct sunlight. For proper ventilation, leave four inches clearance on all sides of the UPS. The input outlet should be nearby and easily accessible.

## Installation

### • Installing the UPS:

The UPS and optional external battery cabinets (EBCs) may be installed in either a tower or rack configuration.

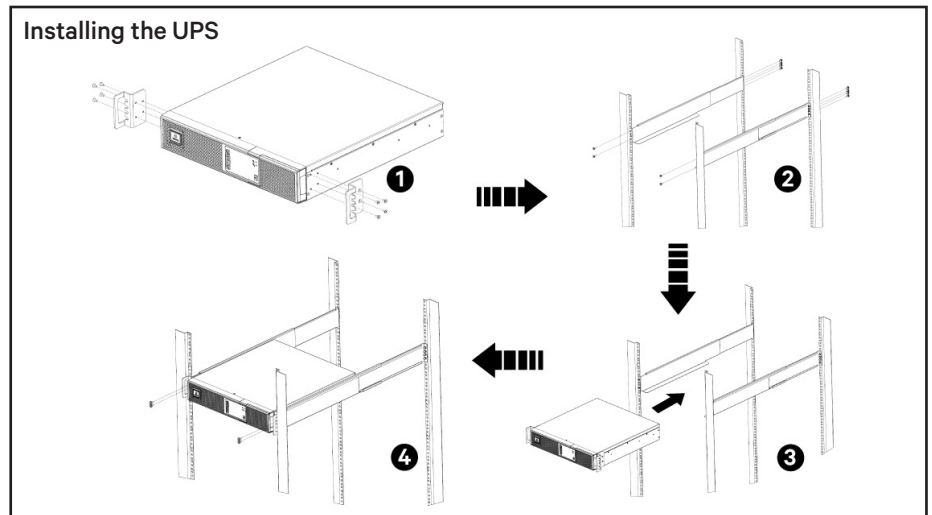
### • For Tower Installation:

1. Assemble the tower support stands, and spacers if EBCs are used.
2. Place the UPS, and the EBC if it is used, on the tower support stands.

### • For Rack Installation:

**NOTE:** Internal batteries may be removed from the UPS to be installed easier.

1. Attach the handles to the UPS with four screws on each side.
2. Align the rack kit with the desired rack U number. Install the rail kit in the rack with two screws on the front and two screws on rear of each rail.
3. Install the UPS in the rack.



4. Secure the handles to the rack with two screws on each side.

**NOTE:** If internal batteries were removed, reinstall internal batteries.

**NOTE:** Do not attempt to rotate the UPS display. The UPS display content will automatically adjust based on rack or tower installation.

## Connections

### 1. Connecting EBC (optional)

EBC provide longer battery run time for connected devices. Refer to GXT5 User Guide, to select the appropriate model and quantity for your GXT5 model and applications. Refer the figure on the next page for UPS and EBC connections.

1. Confirm that the EBC circuit breaker is in the OFF position (1a on the image). If multiple EBCs are used confirm on each EBC (1b).
2. Connect one end of the supplied EBC power cable to the UPS and one end to the top connector on the EBC (2a). If connecting more than one EBC, connect an additional EBC power cable to the bottom connector on the first EBC and to the top connector on the second EBC

(2b). Repeat for each EBC.

3. Connect one end of the supplied communication cable to the UPS dry terminal contact number 3. Connect the other end to the top connector on the EBC (3a). If connecting more than one EBC, connect an additional communication cable to the bottom connector on the first EBC and the top connector on the second EBC. Repeat for each EBC.

### 2. Network Communication Card Connection (optional)

Advanced monitoring and simple control of the Liebert® GXT5 can be done with the use of a Vertiv™ Liebert® IntelliSlot™ RDU101 Communications card. Visit [www.vertiv.com/rdu101](http://www.vertiv.com/rdu101) for additional information.

1. Remove the two screws and protective cover on the rear panel network communications port.
2. Insert the card into the port and secure it with the screws. Refer to the documentation with the card or at the link above for cable connection and operation.

### 3. USB Communication Connection (optional)

Basic monitoring of the Liebert® GXT5 and unattended controlled shutdown of your computer in case of a power failure can be done using the Vertiv™ Power Assist software via the USB port. Visit [www.vertiv.com/powerassist](http://www.vertiv.com/powerassist) for additional information.

### 4. Connecting AC Input

The UPS has a 5-15P, L5-20P (with 5-20P adapter if desired), or a L5-30P input plug depending on your model.

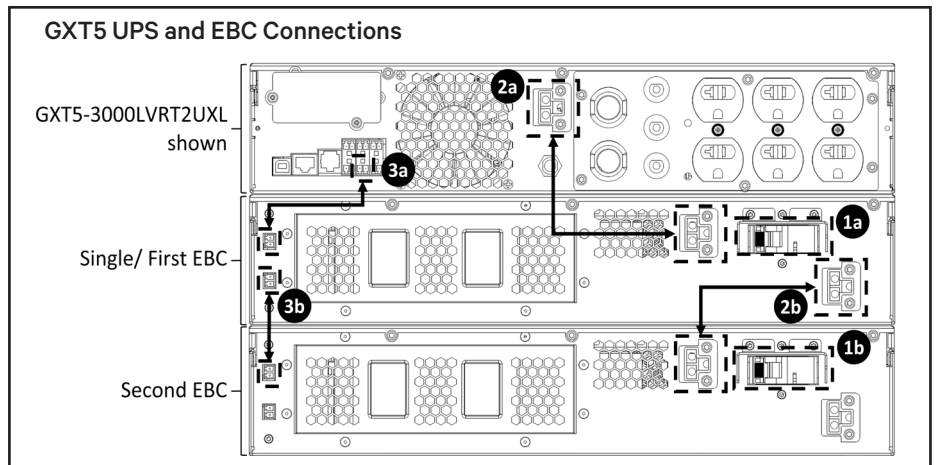
The UPS is equipped with output receptacles. Connect the equipment to be protected to the output receptacles. Ensure all loads are first powered off.

Connect the input power plug to an input power supply that is properly protected by a circuit breaker in accordance with national and local electrical codes.

Recommended circuit breakers are shown in the Wiring table.

**NOTE:** Allow the batteries to charge at least 8 hours before first startup to ensure adequate backup time. The batteries charge when the UPS is connected to AC input regardless of whether the UPS is on or off.

Wiring Table	
Model	Recommended External Breaker
GXT5-500LVRT2UXL	12 A
GXT5-750LVRT2UXL	
GXT5-1000LVRT2UXL and GXT5-1000LVRT2UXLTAA	
GXT5-1500LVRT2UXL and GXT5-1500LVRT2UXLTAA	15 A
GXT5-2000LVRT2UXL and GXT5-2000LVRT2UXLTAA	20 A
GXT5-3000LVRT2UXL and GXT5-3000LVRT2UXLTAA	30 A



### 5. Powering the UPS

**NOTE:** Do not start the UPS until the installation has been completed, the system is commissioned by an authorized engineer, and the external input circuit breakers have been closed.

1. Make sure the panel feeder breaker supplying power to the UPS is closed.
2. If an optional EBC POD is installed, make sure the bypass switch is in UPS position.
3. If EBCs are connected, close the breakers on the rear of each EBC.
4. When the UPS is first connected startup guidance screens will appear. Use the Up, Down, and Enter buttons to confirm settings. Then, press and hold the power button to power on the UPS.

**NOTE:** The UPS alarm will sound when the output receptacles are not powered. Press and hold the Esc button for 2 seconds to silence the alarm.



Item	Description
1	Run indicator LED
2	Alarm indicator LED
3	Power button
4	Display screen
5	Escape button
6	Up arrow button
7	Down arrow button
8	Enter button



**To contact Vertiv Technical Support: visit [www.Vertiv.com](http://www.Vertiv.com)**

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