

LIEBERT® GXT5™ UPS

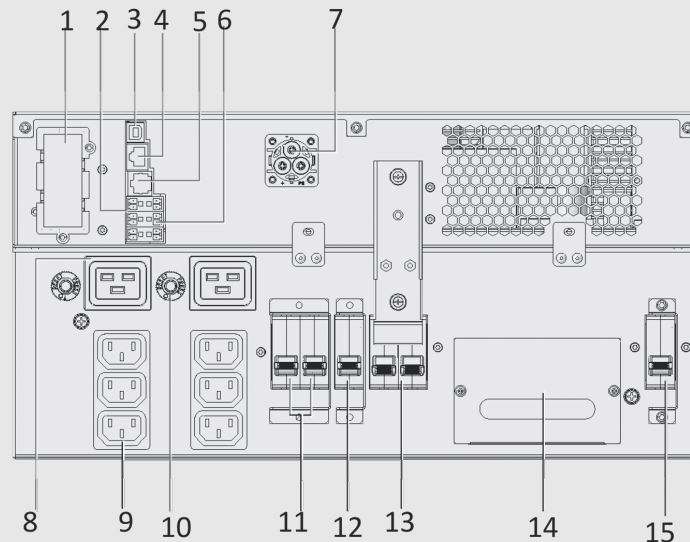
5-6KVA I, 230V IN, 230V OUT

GXT5-5000/6000IRT5UXL



Quick Installation Guide

REAR PANEL OF GXT5-5000/6000IRT5UXL



IMPORTANT: Before installing, connecting to supply or operating your 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 available at www.Vertiv.com.

INSTALLATION

1. Inspecting the UPS

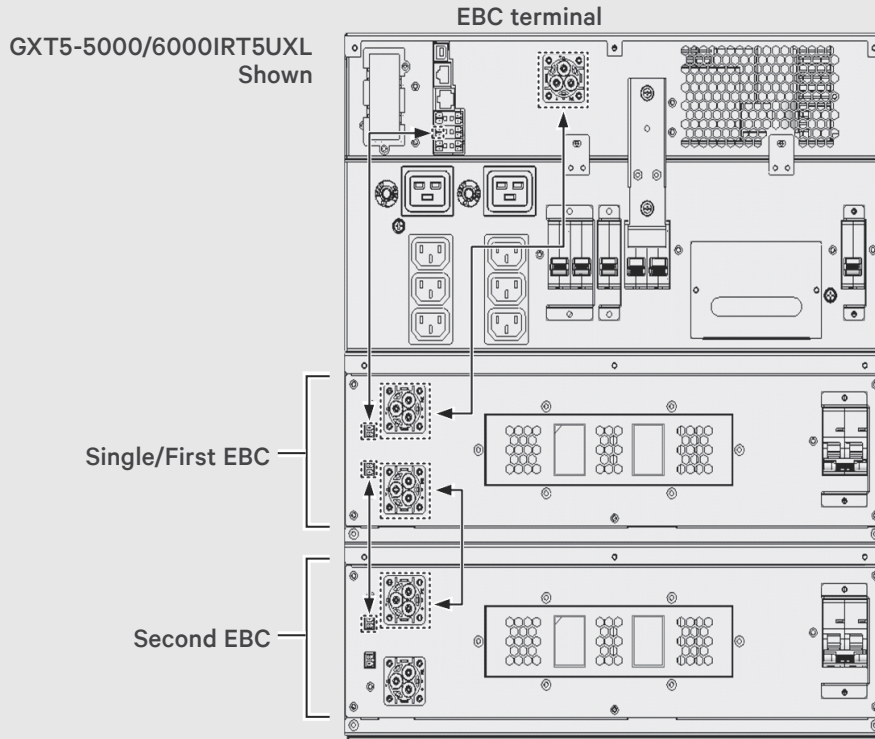
Inspect the UPS for any signs of obvious damage. If damage is visible, do not proceed and call our warranty support line for assistance at 1-800-222-5877 menu option 3, or email at microups.warranty@vertiv.com.

2. Choosing a location

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.

GXT5 UPS	
#	Description
1	Liebert® IntelliSlot™ port
2	Terminal-block/Dry-contact communication connectors
3	USB port
4	RS-485 port
5	RS-232 port
6	REPO connector
7	External-battery-cabinet connector
8	C19 output receptacles (x2)
9	Programmable C13 output receptacles (x2)
10	Output circuit breakers (x2)
11	Programmable Output circuit breakers (x2)
12	Output circuit breaker
13	Maintenance-bypass breaker
14	Cable-entry for hard-wire I/O
15	Input circuit breaker

GXT5™ UPS to External Battery Cabinet Connections



For proper ventilation, leave four inches clearance on all sides of the UPS.

The input outlet should be nearby and easily accessible.

3. Installing the UPS

The UPS and optional External Battery Cabinets may be installed in either a tower or rack configuration. For tower installation, assemble and attach the tower support stands. For rack installation, attach the brackets to the UPS, install the rail kit in the rack if needed, and install the UPS in the rack.

NOTE: This UPS is not for use in a computer room as defined in the standard for the protection of electronic computer/data processing equipment of ANSI/NFPA 75.

WIRING

Recommended external over-current protection	40 A (5 kVA) 50 A (6 kVA)
Recommended wire size for all wires (75 °C copper wire)	8 AWG (10 mm ²)
Maximum wire accepted by terminal block	6 AWG (16 mm ²)
Terminal-block torque	20 in-lb (2.26 Nm)

CONNECTIONS

4. Connecting External Battery Cabinet (Optional)

External Battery Cabinets (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.

- Verify that the EBC breaker is in the “Off” position.

- Connect one end of the supplied EBC cable to the UPS battery connector and autodetect port (terminal block 3) and one end to the EBC’s battery connector and autodetect port. If connecting more than one EBC, connect one end of the external battery cable to the second set of connectors on the battery cabinet, then connect the other end to the next battery cabinet.

5. Connecting AC Input

Refer to the wiring table above for the recommended overcurrent protection.

Refer to the figure at the upper-right for the terminal-block connections. Connect to an input-power supply that is properly protected by a circuit breaker in accordance with national and local electrical codes.

NOTE: Allow the batteries to charge at least 8 hours before first start-up to ensure adequate back-up time. The batteries charge when the UPS is connected to AC input regardless of the off/on status of the UPS.

POWERING THE UPS

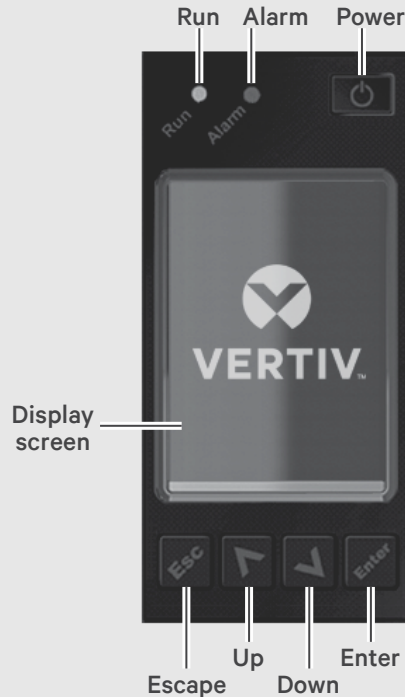
NOTE: Do not start the UPS until the installation is finished, the system is commissioned by an authorized engineer, and the external input circuit breakers are closed.

1. Make sure the maintenance bypass switch is in the open "OFF" position and that the guard is secured in place.
2. Ensure that the REPO connector on the rear of the unit has a jumper between pins 1-2 or that it is properly wired to an Emergency Power-Off circuit (normally closed).
3. Make sure the breaker supplying power to the UPS is closed, and close the input breaker on the rear of the UPS.
4. If necessary, use the LCD display or a connected computer to adjust any required settings. (Refer to the User Guide for configuration set up.)

Terminal Block Connections

L	N			L	N
Output			Input		

Operation and Display Panel



5. Close all output breakers on the rear of the UPS (or in an external panel board, if used).
6. If external battery cabinets are included, close the breakers on the rear of each cabinet.
7. Power-on the UPS using the Operation and Display Panel (see the illustration above) by pressing and holding the power button until the confirmation dialog appears. Use the Up/Down arrows to select "YES", then press Enter.

NOTE: During operation, the UPS may sound an alarm as the output receptacles are powered. You may press the Esc button for 2 seconds to silence the audible alarm.



To contact Vertiv Technical Support: visit www.Vertiv.com

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