Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Liebert GXT5-3000LVRT2UXL

Vertiv Liebert GXT5 UPS - 3000VA/2700W User Manual

Model: GXT5-3000LVRT2UXL

Introduction

The Vertiv Liebert GXT5 UPS (Uninterruptible Power Supply) is a compact and efficient solution designed to ensure the health and availability of IT infrastructure. This 3000VA/2700W unit utilizes online, double conversion technology to protect critical equipment from power outages and disturbances, preserving battery life. It supports a wide range of AC power environments (110/115/120/125V) and offers scalable runtime with external battery cabinets.
Key features include hot-swappable batteries, flexible installation as a tower or in an equipment rack, and Energy Star 2.0 certification for high operating efficiency in both standard and eco-modes. The unit is equipped with a color graphic LCD for user interaction.

Product Highlights:

- Reliable, easy-to-manage power protection and battery backup with 3000VA (2700W) Capacity.
- Highest power factor available on standard input connections.
- Four individual programmable output receptacles for device control and management, optimizing battery usage.
- User-friendly interface with a color graphic display and gravity sensing feature.
- Energy Star 2.0 certified, offering high operating efficiency in standard and eco-mode.

Setup and Installation

The Liebert GXT5 UPS can be installed in either a rack-mount or tower configuration. Ensure proper ventilation and clearance around the unit for optimal performance and cooling.

Unpacking and Inspection:

1. Carefully unpack the UPS and all accessories from the packaging.
2. Inspect the unit for any signs of shipping damage. If damage is found, contact your supplier immediately.
3. Verify that all components listed in the packing list are present.

Configuration:

The UPS comes with hardware for both rack and tower installation. Select the appropriate configuration based on your environment.



Figure 1: Front view of the Liebert GXT5 UPS, showing the display panel and ventilation grilles.



Figure 2: Angled front view of the Liebert GXT5 UPS, highlighting its compact 2U design.

Electrical Connections:

1. Connect the UPS input power cord to a properly grounded electrical outlet.
2. Connect your critical equipment to the output receptacles on the rear panel of the UPS. Ensure that the total load does not exceed the UPS capacity.
3. For extended runtime, connect optional external battery cabinets to the designated battery connector.



Figure 3: Rear panel of the Liebert GXT5 UPS, showing input power, output receptacles, and battery connector.



Figure 4: Detailed view of the rear panel connections, including circuit breakers and various output types.

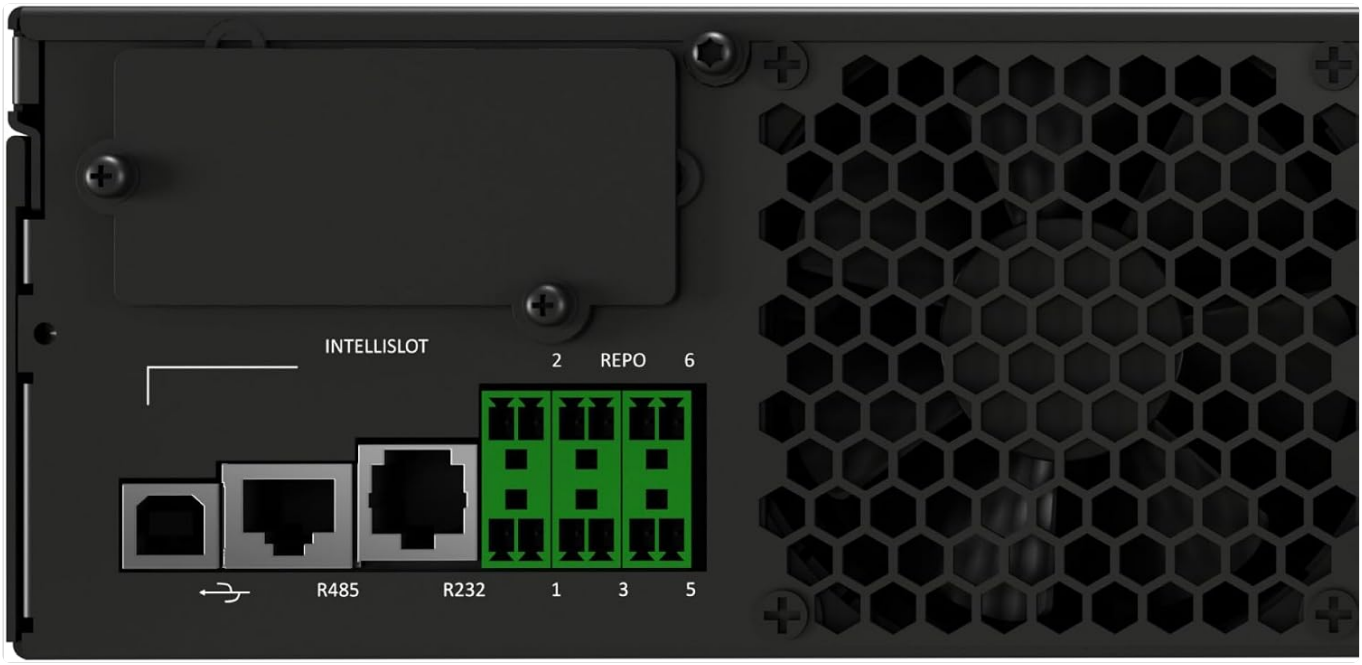


Figure 5: Communication ports and Intellislot on the rear panel for network management and remote monitoring.

Operating Instructions

The Liebert GXT5 UPS is designed for user-friendly operation via its colored LCD and intuitive controls.

Powering On/Off:

- To power on the UPS, press and hold the power button on the front panel until the display illuminates.
- To power off, press and hold the power button until the shutdown sequence begins.

LCD Display and Navigation:

The colored LCD provides real-time status, configuration options, and alarm information. Use the navigation buttons (Esc, Up, Down, Enter) to browse menus and adjust settings.



Figure 6: The active LCD display on the Liebert GXT5 UPS, showing system status and navigation buttons.

Programmable Output Receptacles:

The UPS features four programmable output receptacles. These can be configured to shed non-critical loads during a power outage, extending runtime for essential equipment. Refer to the detailed user guide for programming instructions.

Eco-Mode Operation:

For enhanced energy efficiency, the UPS can operate in Eco-Mode. In this mode, the UPS bypasses the double conversion process when utility power is stable, reducing energy consumption and heat dissipation. The UPS automatically switches to online mode if power quality degrades.

Maintenance

Regular maintenance ensures the longevity and reliable operation of your Liebert GXT5 UPS.

Battery Replacement:

The Liebert GXT5 UPS features hot-swappable batteries, allowing for replacement without powering down connected equipment. It is recommended to replace batteries approximately every three years, or when the UPS indicates a battery fault. Always use genuine Vertiv replacement battery modules.
Caution: Battery replacement should only be performed by qualified personnel. Refer to the full user manual for detailed safety precautions and replacement procedures.

Cleaning and Ventilation:

- Keep the UPS and its ventilation openings clean and free from dust and debris. Use a soft, dry cloth for external cleaning.
- Ensure that the air intake and exhaust vents are not obstructed to maintain proper airflow and prevent overheating.

Troubleshooting

This section provides guidance for common issues you might encounter with your Liebert GXT5 UPS. For more complex problems, consult the comprehensive user guide or contact technical support.

Common Indicators and Solutions:

- **UPS Not Powering On:**
  - Verify the input power cord is securely connected to a live outlet.
  - Check the circuit breaker on the UPS and the building's electrical panel.
  - Ensure the battery is properly connected and charged.
- **Audible Alarm/Warning on Display:**
  - Check the LCD display for specific error codes or messages.
  - Common alarms include "Battery Low," "Overload," or "Bypass Mode." Address the indicated issue.
  - If an overload alarm occurs, reduce the connected load.
- **Short Battery Runtime:**
  - The batteries may be nearing the end of their service life and require replacement.
  - Ensure the UPS has been allowed to fully charge after installation or a power event.
  - Verify the connected load does not exceed the UPS capacity.
- **Excessive Fan Noise:**
  - The fan speed adjusts based on load and internal temperature. High load or high ambient temperature can increase fan speed.
  - Ensure proper ventilation and that air vents are not blocked.
  - If fan noise is consistently high without high load or temperature, or if it exhibits unusual patterns, contact support.

For a comprehensive list of error codes and detailed troubleshooting steps, please refer to the official user guide PDF.

Specifications

Below are the key technical specifications for the Vertiv Liebert GXT5 UPS (Model: GXT5-3000LVRT2UXL).

Feature	Detail
Model Number	GXT5-3000LVRT2UXL
Capacity (VA/W)	3000VA / 2700W
Input Voltage	120 Volts AC
Output Voltage	120 Volts AC (Sine Wave)
Topology	Online Double Conversion
Form Factor	2U Rack/Tower
Battery Type	Lead Acid

Feature	Detail
Power Factor	0.9
Product Dimensions	21.3 x 16.9 x 3.3 inches
Item Weight	77.2 pounds
Amperage	22.5 Amps
Certifications	Energy Star 2.0 Certified

Warranty and Support

Warranty Information:

The Vertiv Liebert GXT5 UPS comes with a **three-year factory warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or contact Vertiv customer service.

Customer Support:

For technical assistance, product inquiries, or warranty claims, please contact Vertiv customer support. Contact information can typically be found on the manufacturer's official website or in the product packaging.

Additional Resources:

A comprehensive user guide in PDF format is available for detailed information on installation, operation, maintenance, and troubleshooting:
Download Official User Guide (PDF)

© 2024 Liebert. All rights reserved. Information subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B07SR5L991

More documents and user manuals: **https://manuals.plus/**