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› Vertiv Liebert GXT5 UPS - 1500VA/1350W 120V, Online Double Conversion, 2U Rack/Tower, Energy Star Certified, Lead Acid, Sine Wave, Battery Backup, 0.9 Power Factor, Colored LCD (GXT5-1500LVRT2UXL) UPS 1500VA/1350W

Liebert GXT5-1500LVRT2UXL

Vertiv Liebert GXT5 UPS User Manual

Model: GXT5-1500LVRT2UXL

INTRODUCTION

The Vertiv Liebert GXT5 UPS (Uninterruptible Power Supply) is a compact and efficient solution designed to ensure the health and availability of your IT infrastructure. Utilizing online, double conversion technology, this UPS provides premium power protection against outages and various power disturbances, extending battery life and minimizing the need for replacements. It supports a wide range of AC power environments (110/115/120/125V) and offers scalable runtime options with external battery cabinets. The GXT5 features hot-swappable batteries and includes hardware for both tower and rack installations. It is Energy Star 2.0 certified, ensuring high operating efficiency.

SAFETY INFORMATION

Please read and understand all safety instructions before installing, operating, or maintaining the UPS. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not open the UPS enclosure. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Ensure proper grounding. Connect the UPS to a grounded outlet.
- Do not block ventilation openings. Maintain adequate airflow around the UPS.
- Avoid installing the UPS in areas with excessive heat, humidity, or conductive contaminants.
- Disconnect the UPS from the power source before performing any maintenance or installation procedures.

PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- Vertiv Liebert GXT5 UPS Unit (1500VA/1350W)
- Rack Mounting Hardware Kit
- Base for Tower Installation
- User Manual (this document)
- Power Cord(s)
- Communication Cables (USB, Serial)

SETUP

1. Physical Installation

The GXT5 UPS can be installed in a 2U rackmount configuration or as a tower. Ensure adequate space for ventilation and access to connections.

Rackmount Installation:

1. Attach the provided rackmount ears to the sides of the UPS using the screws.
2. Secure the UPS into a standard 19-inch equipment rack using appropriate rack screws.

Tower Installation:

1. Attach the tower base to the bottom of the UPS.
2. Place the UPS on a stable, level surface in an upright position.



Figure 1: Front view of the Vertiv Liebert GXT5 UPS.

2. Battery Connection

The GXT5 UPS features hot-swappable batteries. Ensure the battery pack is securely connected before initial power-on.

3. Power Connection

Connect the UPS to a grounded AC power outlet using the provided power cord. Ensure the outlet matches the UPS's voltage requirements (120V).



Figure 2: Rear view of the Vertiv Liebert GXT5 UPS with power connections.

4. Connecting Devices

Connect your critical equipment (servers, networking devices, etc.) to the output receptacles on the rear of the UPS. The UPS features four individual programmable output receptacles for device control and management.



Figure 3: Detailed view of the UPS output receptacles.

5. Initial Power On

Press and hold the power button on the front panel until the display illuminates. The UPS will perform a self-test and then enter normal operation mode.

OPERATING THE UPS

Normal Operation

During normal operation, the UPS continuously cleans and conditions the incoming AC power before supplying it to your connected equipment. The internal battery is simultaneously charged and maintained.



Figure 4: The user-friendly color graphic LCD display.

Battery Mode

In the event of a power outage or interruption, the Liebert GXT5 will seamlessly switch to battery power, providing continuous power to your connected loads. An alarm will sound, and notifications will be sent via the monitoring application (if configured). The display will show the remaining battery runtime.

Programmable Output Sockets

The GXT5 allows you to prioritize battery utilization through its programmable and controllable output sockets. This feature is crucial during extended power outages to maximize runtime for critical loads.

Your browser does not support the video tag.

Video 1: Demonstration of the Programmable Output Sockets feature, showing how to manage critical and non-critical loads during a power outage to extend battery runtime.

Using the monitoring application, you can remotely turn off socket groups connected to non-critical loads, or program the UPS to automatically turn off specific socket groups at a pre-defined battery level. This increases the battery runtime for your essential critical loads, providing more time to resolve power issues or activate backup generators.

MAINTENANCE

Battery Replacement

The GXT5 UPS features hot-swappable batteries, allowing for replacement without powering down connected equipment. Refer to the detailed user guide for specific battery replacement procedures.

Cleaning

Periodically clean the exterior of the UPS with a soft, dry cloth. Ensure ventilation openings are free from dust

and debris to maintain optimal airflow.

Firmware Updates

New firmware updates may be released to improve performance, reduce fan speed/noise, or add new features. Check the manufacturer's website or your monitoring software for available updates and follow the provided instructions carefully.

TROUBLESHOOTING

If you encounter issues with your Vertiv Liebert GXT5 UPS, refer to the following common troubleshooting tips. For more detailed information, consult the official User Guide.

- **UPS Not Powering On:** Ensure the power cord is securely connected to both the UPS and a live AC outlet. Check the circuit breaker on the UPS and the building's electrical panel.
- **Fan Noise:** While the GXT5 is designed for efficient cooling, some fan noise is normal. If fan noise is excessive or unusual, ensure proper ventilation and check for any obstructions. Firmware updates may also address fan control issues.
- **Short Battery Runtime:** Verify that the connected load does not exceed the UPS capacity. Batteries have a finite lifespan and may need replacement after several years of use. Ensure external battery cabinets (if used) are properly connected.
- **Alarms/Error Codes:** Consult the UPS display or monitoring application for specific alarm messages or error codes. Refer to the User Guide's troubleshooting section for detailed explanations and solutions for each code.

For comprehensive troubleshooting and technical support, please refer to the official [Vertiv Liebert GXT5 User Guide \(PDF\)](#).

SPECIFICATIONS

Feature	Detail
Product Dimensions	18.6 x 16.9 x 3.3 inches
Item Weight	57.4 pounds
ASIN	B07SWDMZYF
Item Model Number	GXT5-1500LVRT2UXL
Batteries Required	3 x 12V batteries
Brand	Liebert
Battery Cell Composition	Sealed Lead Acid
Voltage	120 Volts

Color	Black
Manufacturer	Vertiv
First Available Date	June 5, 2019

WARRANTY AND SUPPORT

The Vertiv Liebert GXT5 UPS comes with a **three-year factory warranty**. For warranty claims, technical support, or additional information, please contact Vertiv customer service or refer to the official documentation. A comprehensive User Guide is available for download: [Vertiv Liebert GXT5 User Guide \(PDF\)](#).