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Emerson GXT3-3000RT120

Emerson Liebert GXT3-3000RT120 UPS User Manual

3000VA Tower/Rack Mountable Uninterruptible Power Supply

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Emerson Liebert GXT3-3000RT120 Uninterruptible Power Supply (UPS). The Liebert GXT3-3000RT120 is a true on-line UPS designed to deliver continuous, high-quality AC power to critical IT equipment, ensuring no interruption during power transfers to battery. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the UPS or connected equipment:

- **Electrical Hazard:** This unit contains hazardous voltages. Do not open the UPS enclosure. Servicing should only be performed by qualified personnel.
- **Battery Safety:** Batteries can present a risk of electrical shock and high short-circuit current. Remove watches, rings, or other metal objects before handling batteries. Use tools with insulated handles.
- **Ventilation:** Ensure adequate airflow around the UPS. Do not block ventilation openings.
- **Environment:** Install the UPS in a controlled environment, free from excessive dust, moisture, and extreme temperatures.
- **Grounding:** The UPS must be connected to a grounded AC power outlet.

3. PACKAGE CONTENTS

Verify that all items are present in the packaging:

- Liebert GXT3-3000RT120 UPS Unit
- User Manual (this document)
- Rackmount Kit (if applicable)
- Tower Stand (if applicable)
- Input Power Cord
- Output Power Cords
- Communication Cables (USB, Serial)

4. PRODUCT OVERVIEW

The Liebert GXT3-3000RT120 is a versatile UPS designed for both tower and rack-mount installations. It provides 3000VA/2700W of power protection.

4.1 Front Panel



Figure 1: Front panel of the Liebert GXT3-3000RT120 UPS. This image displays the front panel of the Liebert GXT3-3000RT120 UPS, featuring the Emerson logo, the Liebert GXT3 display, and ventilation grilles. The display provides information on battery status, load level, and operational warnings.

The front panel includes an LCD display for monitoring UPS status, battery charge, load level, and various operational indicators. It also features control buttons for power on/off and menu navigation.

4.2 Rear Panel Connections

The rear panel provides the following connections:

- **Input Power:** Connects to the main AC power source.
- **Output Receptacles:** Includes one NEMA L5-30R and six NEMA 5-20R outlets for connecting protected equipment.
- **Communication Ports:** USB and Serial ports for connecting to a computer for monitoring and management.
- **Expansion Slot:** For optional communication cards.

5. SETUP

5.1 Placement

The Liebert GXT3-3000RT120 can be installed in a tower configuration or mounted in a standard 19-inch equipment rack.

- **Tower Installation:** Attach the provided tower stands to the bottom of the UPS unit. Ensure stability.
- **Rack Installation:** Use the supplied rackmount kit to secure the UPS in a rack. Follow the instructions provided with the rackmount kit for proper installation.

Ensure the installation location has adequate ventilation and is within the specified environmental operating conditions.

5.2 Connecting to Power

1. Connect the UPS input power cord to a properly grounded AC power outlet.
2. Allow the UPS to charge its batteries for at least 8 hours before connecting critical equipment to ensure full runtime capability.

5.3 Connecting Equipment

Connect your IT equipment to the output receptacles on the rear panel of the UPS. Ensure that the total load does not exceed the UPS capacity (3000VA/2700W).

6. OPERATING THE UPS

6.1 Turning On the UPS

1. Ensure the UPS is connected to AC utility power.

2. Press and hold the power button on the front panel for approximately 2 seconds until the display illuminates and the UPS starts.

6.2 Turning Off the UPS

1. To shut down the UPS and remove power from connected equipment, press and hold the power button for approximately 3 seconds.
2. The UPS will perform a controlled shutdown.

6.3 Understanding the Display

The front panel display provides real-time information:

- **Battery Status:** Indicates the current charge level of the internal batteries.
- **Load Level:** Shows the percentage of the UPS's capacity being used by connected equipment.
- **Operating Mode:** Displays whether the UPS is operating on utility power, battery power, or bypass mode.
- **Alarms/Warnings:** Icons illuminate to indicate various operational issues or warnings. Refer to the troubleshooting section for details.

7. MAINTENANCE

7.1 Battery Replacement

The UPS uses sealed lead-acid batteries. Battery life is typically 3-5 years, depending on environmental conditions and usage. When batteries reach the end of their service life, they should be replaced by qualified personnel. Contact Emerson/Liebert support for authorized service or replacement battery kits.

7.2 Cleaning

Periodically clean the exterior of the UPS with a soft, dry cloth. Ensure ventilation openings are free from dust and debris to maintain proper airflow.

8. TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed here, contact technical support.

Problem	Possible Cause	Solution
UPS does not turn on	No AC input power	Check power cord connection and wall outlet.
UPS beeps continuously	Operating on battery power	Restore AC utility power. Save work and shut down equipment if power loss persists.
Overload warning	Connected equipment exceeds UPS capacity	Remove non-essential equipment from UPS outlets.
Battery fault indicator	Battery nearing end of life or fault	Contact technical support for battery testing or replacement.

9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	GXT3-3000RT120
Capacity	3000VA / 2700W
Input Voltage	120 Volts
Output Receptacles	1 x NEMA L5-30R, 6 x NEMA 5-20R
Battery Type	Sealed Lead Acid
Typical Runtime (Full Load)	4 minutes
Dimensions (H x W x D)	28.35 x 10.63 x 23.03 inches
Weight	80.1 pounds
Color	Black
Manufacturer	Liebert
ASIN	B003227RGS

10. WARRANTY AND SUPPORT

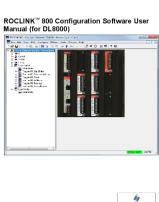
For specific warranty details, please refer to the warranty card included with your product or visit the official Emerson/Liebert website. Technical support is available to assist with installation, troubleshooting, and service inquiries. Please have your model number (GXT3-3000RT120) and serial number ready when contacting support.

Online Resources: For the latest documentation, FAQs, and software downloads, visit the Emerson Network Power support portal.

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Related Documents - GXT3-3000RT120

	<p>Emerson EHS-2001 Dancing Water Light Bluetooth Speaker Tower - Instruction Manual</p> <p>This manual provides instructions for operating the Emerson EHS-2001 Dancing Water Light Bluetooth Speaker Tower, including setup, features, troubleshooting, and specifications.</p>
 <p>MRLDS-CO2 Gas Detector Manual</p>	<p>MRLDS-CO2 Gas Detector Manual Emerson</p> <p>Comprehensive manual for the Emerson MRLDS-CO2 Gas Detector (P/N 809-1020). Covers installation, operation, calibration, and troubleshooting for detecting CO2 refrigerant, combustible gases, and toxic compounds.</p>

	<p><u>Emerson iC200/iC200BK: Digital Tuning Stereo Clock Radio with iPod Docking Station - Owner's Manual</u></p> <p>Explore the features and operation of the Emerson iC200 and iC200BK digital tuning stereo clock radio with iPod docking station. This owner's manual covers setup, SmartSet time, alarms, iPod integration, and more.</p>
	<p><u>Emerson XWEB PRO Betriebshandbuch (V.1.0) - Überwachungs- und Kontrollsyste</u></p> <p>Umfassendes Betriebshandbuch für das Emerson XWEB PRO Überwachungs- und Kontrollsyste. Enthält Anleitungen zur Installation, Konfiguration, Bedienung und Fehlerbehebung für industrielle Kühl- und Klimaanlagen.</p>
	<p><u>ROCLINK 800 Configuration Software User Manual for DL8000</u></p> <p>User manual for Emerson's ROCLINK 800 Configuration Software, detailing how to configure and monitor DL8000 Remote Operations Controllers (ROCs). Covers installation, software features, and system setup.</p>
	<p><u>Emerson LC220EM1 LC190EM1 LCD TV Owner's Manual</u></p> <p>Comprehensive owner's manual for Emerson LC220EM1 and LC190EM1 LCD televisions, covering setup, operation, features, troubleshooting, and specifications. Includes safety instructions and warranty information.</p>