

■ AC Power Systems
For Business-Critical Continuity

Liebert GXT, 500VA - 3000VA Models
A Proven-Reliable, True On-line UPS In A Compact 2U Package



 **Liebert**


EMERSON
Network Power

The Reliability Of True On-line Operation And Custom Configurability

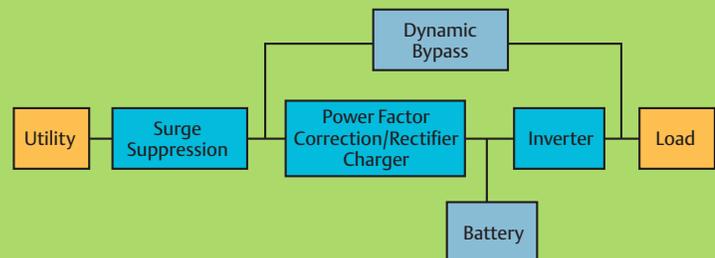
The Liebert GXT UPS system takes the outstanding features and unmatched reliability of The Liebert GXT series — and puts it all into a smaller 2U size cabinet. As a true on-line UPS, Liebert GXT includes power factor correction, internal batteries, frequency conversion capability, unlimited external battery connectability, and internal automatic and manual bypass capability.

The Liebert GXT is designed with the features you need to protect mission-critical equipment from a variety of power problems:

- True on-line design
- Wide input voltage window allows UPS support without going to battery, extending systems availability
- Built in Surge Suppression
- User replaceable batteries without removing the Liebert GXT from rack
- Compatible with new Liebert SNMP/Web Card
- Compatible with Liebert Multiport4 or 8
- Compatible with RelayCard INT
- Compatible with Liebert MultiLink
- External plug and play, 2U battery cabinets available
- Standard two-year warranty
- Configurable as rack or tower

On-Line UPS Protection for Essential and Critical Applications

The Liebert GXT will transfer the critical load to utility power (bypass mode) in the event of adverse conditions within the UPS. This adds an extra measure of reliability and availability to the supported equipment. No additional cabinets are necessary.





The Right Features In Just The Right Size

On-line design means zero transfer time from external to internal power. When utility power fails, your critical load remains supported by a seamless flow of power from the Liebert GXT.

For maximum control, the Liebert GXT is custom configurable to your needs using a specially designed Windows software package. Offered in 500, 700, 1000, 1500, 2000 and 3000 VA capacities, the Liebert GXT also provides easy serviceability with user replaceable batteries. And all this is available in one of the most affordable UPS systems in its class

Quality Power

The Liebert GXT is a true on-line power source, so whatever the quality of power coming in — the pure sinewave output meets the exacting standards of your equipment. Unlike other UPS technologies, the Liebert GXT design handles all these potential power problems:

- Power spikes and transients
- EMI/RFI noise
- Voltage sags and brownout conditions
- Harmonics
- Power-factor corrected loads
- Outages
- Frequency Variations

Built-In Reliability

The Liebert GXT is designed from the inside out for maximum reliability. It includes operating features that simply are not available on other units in its price range:

Power-factor corrected loads —the Liebert GXT maintains stable voltage output even with the power-factor corrected loads typical of modern computer equipment.

Frequency conversion — allows 60Hz input/50Hz output or 50Hz input/60Hz output with no derating.

Unlimited external battery connectability — any number of 2U battery cabinets can be added to supply additional battery time.

Internal automatic and manual bypass capability — assures continuity of power to critical loads during system problems or maintenance.



Liebert GXT with external battery.

Sophisticated Protection In An Easy-To-Use Package

The Liebert GXT is easy to install...easy to set up...and even easier to use. It features simple operation with a single switch for uncomplicated, error-free start up. A front-mounted panel displays system status, load levels, battery capacity and any alarm conditions.

For maximum flexibility, the Liebert GXT can be easily installed as a space-saving, rack-mounted unit or as a compact freestanding tower. This versatility allows it to be used to protect networks, servers, telecommunications equipment or industrial process equipment...just about anywhere.

In order to fully protect your network, a UPS must be able to deal with different types of power input, including imperfect power from your electric utility, the variable output of most standby generators, and harmonics from inside the building or even from your own network equipment. The Liebert GXT is designed to handle these situations. If a UPS can't provide proper protection under these conditions, then it isn't providing complete protection.

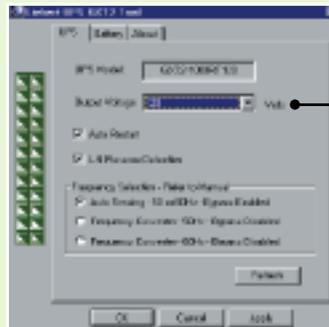


A New View On Configuring Your UPS

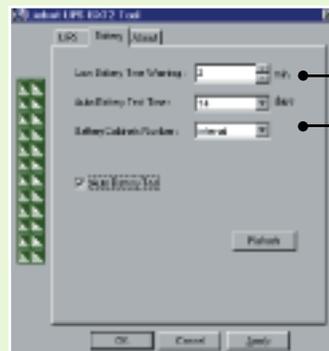
Each Liebert GXT is shipped with Windows® compatible software that allows the user to program a variety of operating parameters. This capability allows you to customize the Liebert GXT performance to your specific requirements, providing a new level of power protection control and adaptability.

The software allows configuration of the following:

- Output voltage selectable: 100, 110, 115, 120, 127V
- Enable or disable auto restart
- Enable or disable line-neutral reversal detection
- Select frequency converter mode:
 - 60Hz input/50Hz output with no derating, bypass is disabled
 - 50Hz input/60Hz output with no derating, bypass is disabled
- Change the low battery warning from the standard 2 minutes
- Select how often you want the automatic battery test to occur
- Disable automatic battery test if desired
- Program the UPS for the number of external battery cabinets connected, allowing the UPS to report the correct run time.



- Configure Output Voltage
- Enable/Disable Autorestart
- Enable/Disable Line Neutral Reversal detection
- Select Frequency Converter Mode



- Select Low Battery Warning Time
- Select Automatic Battery Test Time
- Select Number of External Battery Cabinets
- Enable/Disable Automatic Battery test



The Ability To Handle A Wide Range Of Power Input

When your computer system can't be without power, even for scheduled UPS maintenance, a Liebert 2U POD™ ensures continuous uptime. The Liebert 2U POD provides maintenance bypass capability as well as power output distribution. The Liebert 2U POD can be used with your Liebert GXT UPS system in either the rack mount or tower configuration.

The Liebert 2U POD allows you to manually transfer your connected equipment to utility power via a maintenance bypass switch, permitting scheduled maintenance or UPS replacement without power disruption. Transferring back to UPS power is equally easy; simply turn the switch to the indicated position and your load is protected by the UPS.

Use of the Liebert 2U POD offers many benefits:

- Provides utility power to your attached equipment when switched to maintenance bypass mode.
- Allows UPS maintenance or replacement of the UPS without discontinuing power to critical equipment.
- Easily installed — the UPS and utility power are both connected to the Liebert 2U POD with the supplied cords.
- Rotary switch and LED indicators make the unit simple to operate.

Optional Liebert 2U POD output distribution and maintenance bypass module ensures continuous uptime, even during UPS maintenance.



The Liebert 2U POD has two modes of operation, UPS mode (UPS available) and utility mode (maintenance bypass). During the UPS mode, the power is being routed through the UPS system as per Figure 1. During the utility mode of operation, power is being routed around (bypassing) the UPS system as per Figure 2, with power being supplied to the connected load through the Liebert 2U POD.

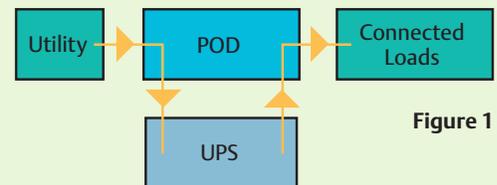


Figure 1

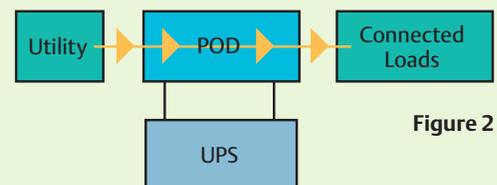


Figure 2

Communications For Power Monitoring And Control

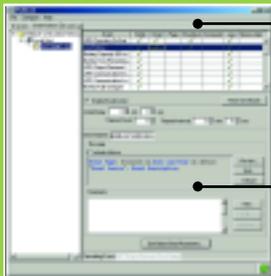


The Liebert GXT offers a variety of communications options to provide the monitoring and control capabilities demanded by today's network computing systems.

Liebert Intellislot® SNMP/Web Card

For enhanced UPS communications and control, the Liebert Intellislot SNMP/Web Card will deliver SNMP and web-management communications capability to your Liebert GXT unit. This feature will provide flexibility in how you monitor and control your UPS over the network. The card is also easily configurable to work in a standard SNMP implementation and with Liebert's MultiLink unattended shutdown software.

Liebert SNMP/Web Card monitors a wide range of UPS information, allowing users to monitor, control, and manage their Liebert GXT UPS over the network via the Web and SNMP.



Automatic Responses for every UPS event may be customized

Configuration details appear in the bottom window pane when the event and response type are selected



Liebert MultiLink™ Shutdown Software

Your Liebert GXT UPS system can be used with Liebert MultiLink shutdown software. This package automatically shuts down computer operating systems in a smooth and orderly manner if UPS battery capacity runs low.

Liebert MultiLink automated shutdown software performs the critical task of protecting information for one computer or a network. It is available in both single and multi-user versions and is designed to run on a wide variety of operating platforms. During an extended utility failure, Liebert MultiLink automatically shuts down computer operating systems in a smooth and orderly manner if UPS battery capacity runs low. Liebert MultiLink is designed to keep users informed. Notification about critical alarms can be sent to alphanumeric pagers or directly to the computer screen via pop-up messages. Liebert MultiLink may be configured for either in-band or out-of-band operation. Using the network to send alarm messages and data can dramatically reduce cable and installation costs. Alternatively, separate communications cables can be run to each computer when network wiring is a concern.

Liebert GXT Specifications

Model Number	GXT2-500RT120	GXT2-700RT120	GXT2-1000RT120	GXT2-1500RT120
Model Rating VA/W	500/350	700 / 490	1000 / 700	1500 / 1050
Dimensions: in (mm)	3.5 x 21.5 x 17 in. (89 x 546 x 432 mm)	3.5 x 21.5 x 17 in. (89 x 546 x 432 mm)	3.5 x 21.5 x 17 in. (89 x 546 x 432 mm)	3.5 x 21.5 x 17 in. (89 x 546 x 432 mm)
Weight: lbs. (kg)	49 lbs. (22 kg)	49 lbs. (22 kg)	50 lbs. (23 kg)	51 lbs. (23 kg)
Input AC Parameters				
Voltage Range	120 VAC nominal, (60 to 140VAC Variable based upon output load)			
Frequency	40 - 70 Hz; Auto Sensing			
Input Power Cord	6 ft. attached, w/ NEMA 5-15 plug	6 ft. attached, w/ NEMA 5-15 plug	10 ft. attached, w/ NEMA 5-15 plug	10 ft. attached, w/ NEMA 5-15 plug
Output AC Parameters				
Output Receptacles	(4) NEMA 5-15R	(4) NEMA 5-15R	(4) NEMA 5-15R	(4) NEMA 5-15R
Voltage	100/110/115/120/127 (user configurable) VAC; ±3%			
Frequency	50 Hz or 60 Hz			
Waveform	Sinewave			
Typical Battery Back-up Time				
Full Load	28 minutes	17 minutes	11 minutes	7 minutes
Half Load	66 minutes	44 minutes	25 minutes	20 minutes
Recharge Time	5 Hours to 95% capacity after full discharge into 100% load			
Agency				
Safety	UL 1778; c-UL Listed (Flame Retardant Batteries, suitable for Computer Room Applications)			
RFI/EMI	FCC Part 15, Subpart B, Class A			
Surge Immunity	IEEE 587 Category A & B			
Transportation	ISTA Procedure 1A			

Model Number	GXT2-2000RT120	GXT2-3000RT120
Model Rating VA/W	2000 / 1400	3000 / 2100
Dimensions: in (mm)	3.5 x 21.5 x 17 in. (89 x 546 x 432 mm)	3.5 x 24.2 x 17 in. (89 x 615 x 432 mm)
Weight: lbs. (kg)	54 lbs. (24kg)	69 lbs. (31kg)
Input AC Parameters		
Voltage Range	120 VAC nominal, (60 to 140VAC Variable based upon output load)	
Frequency	40 - 70 Hz; Auto Sensing	
Input Power Cord	10 ft. attached, w/ NEMA 5-20 plug	10 ft. attached, w/ NEMA L5-30 plug
Output AC Parameters		
Output Receptacles	(4) 5-20 T-Slot receptacles	(4) NEMA 5-15R (1) NEMA L5-30R on 12 inch cord
Voltage	100/110/115/120/127 (user configurable) VAC; ±3%	
Frequency	50 Hz or 60 Hz	
Waveform	Sinewave	
Typical Battery Back-up Time		
Full Load	6 minutes	5 minutes
Half Load	14 minutes	16 minutes
Recharge Time	5 Hours to 95% capacity after full discharge into 100% load	
Agency		
Safety	UL 1778; c-UL Listed (Flame Retardant Batteries, suitable for Computer Room Applications)	
RFI/EMI	FCC Part 15, Subpart B, Class A	
Surge Immunity	IEEE 587 Category A & B	
Transportation	ISTA Procedure 1A	

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