

RACK-MOUNTED POWER SOLUTIONS FOR GROWING NETWORKS

Rack-mounted servers are at the heart of today's network computing systems. These critical components need reliable, compact power protection that will keep pace with their growing needs.

Protection That Fits In Anywhere

From line-interactive units to true on-line models, Liebert rack-mount UPS systems are designed for reliability and space-saving flexibility. No one packs more power capacity and features into a smaller package.

Liebert Has Rack-mount UPS Solutions For:

- PCs
- Network Workstations
- Servers and Critical Nodes
- Network Routers, Bridges and Hubs
- Large Network Peripherals
- Storage Systems
- Point-of-Sale Terminals
- Test Equipment
- Other Sensitive Electronics



LIEBERT POWERSURE® PSI LINE-INTERACTIVE UPS PROVEN HIGH-LEVEL PERFORMANCE AND RELIABILITY FOR SERVER AND NETWORK POWER PROTECTION

Designed for the IT environment, Liebert PowerSure PSI is a slim 2U size rack/tower style, line-interactive UPS system. It offers a configurable input voltage window allowing the customer to precisely match their input voltage. A choice of four communications options includes SNMP, serial, contact closure and USB. The Liebert PowerSure PSI is available in 1000, 1440, 1920, 2200 and 3000 VA at 120 VAC and 1000, 1440, 2200, 3000VA at 230VAC.



Other Standard Features Of Liebert PowerSure PSI:

- Seven to eight battery-backed outlets
- Data line surge protection for telephone/fax/DSL/modem
- Advance early warning of UPS system status
- User-replaceable hot swappable batteries
- Configurable input voltage selector
- Wider input voltage window
- Greater than five minutes of battery backup time at full load when utility fails
- External battery cabinet available
- Full sequenced battery testing
- Lightning and surge protection
- USB, Microsoft Windows (XP and 2000) and Mac (OS X version 10.2 or later) Certified
- Remote emergency power off
- Two-year warranty

Liebert Power Monitoring Capabilities

The operation of Liebert PowerSure PSI can be monitored using

- Liebert MultiLink® Automated System Shutdown Software
- Liebert Nform Monitoring System
- Third-Party Monitoring Systems

For more information, see pages 42 and 43.



LIEBERT GXT 500-3000VA ON-LINE UPS

COMPACT UPS COMBINES ON-LINE RELIABILITY, CONFIGURABILITY AND INTERNAL BATTERIES

Liebert GXT leads the industry in combining small size, high capacity and multiple features. Designed to be either rack-mounted or installed in a tower configuration, the UPS is available in 500, 700, 1000, 1500, 2000 and 3000 VA ratings, in both 120 V and 230 V models.

A true on-line UPS, Liebert GXT includes features such as power factor correction, internal batteries, frequency conversion, unlimited external battery connectability and internal bypass capability. And all this is housed in a smaller 2U size cabinet that cuts space requirements in half while providing up to 3 kVA of true on-line power...batteries included. The UPS can also be used with external batteries for extended run times.

A Windows™ configuration program, included with each unit allows the user to program a variety of operating parameters. This capability allows you to customize Liebert GXT performance to your specific requirements, providing a new level of power protection control and adaptability.

Other Features Of Liebert GXT 2U Models:

- Microprocessor-based control and monitoring package
- Input power factor correction
- PWM inverter
- Integral dynamic bypass
- Integral sealed, flame retardant, non-spillable, user replaceable battery
- Automatic and manual battery test feature with push button and indicator
- Input and output noise suppression
- RS232 communication port
- IntelliSlot® communications port
- Two-year limited warranty

Liebert Power Monitoring Capabilities

The operation of the Liebert GXT can be monitored using

- Liebert MultiLink® Automated System Shutdown Software
- Liebert Nform Monitoring System
- Liebert Universal Monitor and Remote Power Monitor Panels
- Third-Party Monitoring Systems

For more information, see pages 42 and 43.



External 2U Cabinets supply additional backup time.



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

LIEBERT GXT 6 & 10 KVA ON-LINE UPS

HIGH CAPACITY, COMPACT ON-LINE UPS WITH FLEXIBLE OUTPUT VOLTAGE AND POWER DISTRIBUTION

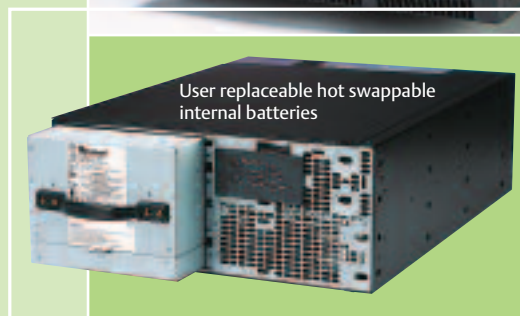
Liebert GXT 6 & 10 kVA UPS systems provide true on-line protection in the smallest cabinets in their capacity range. The UPS systems offer internal batteries, unlimited extended external batteries, and internal bypass capability, resulting in continuous uptime for the connected equipment. This makes the UPS an ideal fit in applications where the power requirements are demanding—but rack space is limited.

Application versatility is achieved through the use of a dual inverter design capable of providing simultaneous output voltages of 240/120, 208/120, 230/115, 220/110, or 200/100 VAC. The input is power factor corrected to approximately .98, enabling the UPS to power a wide variety of equipment with different voltages.

For installation flexibility, you may choose from several different wiring configurations made possible by the use of removable power distribution boxes that simply plug into the rear of the UPS. Options include hardwired or receptacle connections, as well as maintenance bypass capabilities.

Other product features of Liebert GXT 6 & 10 kVA UPS models include:

- Wider input voltage window enables the UPS to support the critical load without having to transfer to battery
- Patented output neutral bonding feature meets UL 1778 standard by providing a method for maintaining the UPS output neutral to ground bond in all modes of operation
- Internal bypass assures continuity of power to critical loads during system problems or maintenance
- Automatic frequency detection matches line input frequencies of either 60 or 50 Hz
- User-replaceable hot swappable internal batteries provide five minutes of runtime at full load
- Additional battery cabinets available for extended backup time
- Liebert IntelliSlot® communications port utilizes Liebert IntelliSlot® Web Card to provide SNMP and web-based management

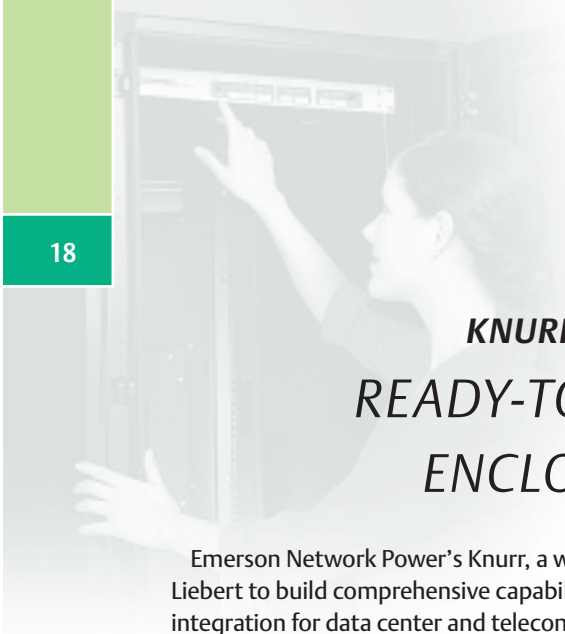


Liebert Power Monitoring Capabilities

The operation of the UPS can be monitored using

- Liebert MultiLink® Automated System Shutdown Software
- Liebert Nform Monitoring System
- Liebert Universal Monitor And Remote Power Monitor Panels
- Third-Party Monitoring Systems

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KNURR RACKS AND CABINETS *READY-TO-DEPLOY RACK AND* *ENCLOSURE SOLUTIONS*

Emerson Network Power's Knurr, a world leader for standardized rack systems, has joined with Liebert to build comprehensive capabilities in rack solutions, mission-critical cooling, and systems integration for data center and telecom sites.

Knurr's broad platform of rack systems will integrate with cooling and power management technologies from Liebert, helping you solve problems in new and existing installations and giving you more design flexibility. Knurr and Liebert are taking proven technologies from room-level applications and integrating them with the rack.



KNURR MIRACEL® OPEN FRAME AND SERVER RACKS

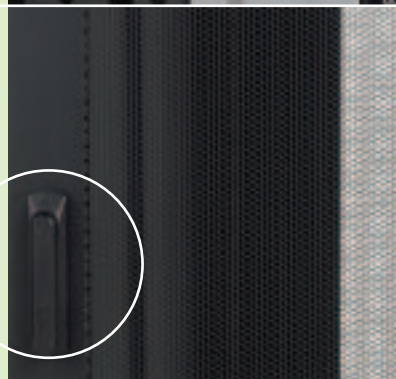
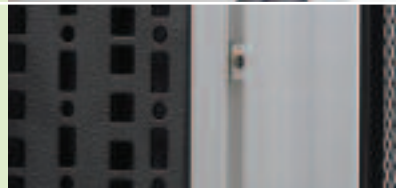
Knurr Miracel racks are tailored to your requirements. The platform technology provides the basis for a versatile range of racks, which has been setting standards in the world of IT, telecommunications and network technology as the solution for a diverse range of requirements.

The design of the Knurr Miracel product line enables all requested dimensions and standards to be tailored to specific customer requirements. Adjustments can be easily made thanks to the broad range of Knurr accessories, including active and passive components, need-oriented power supply and distribution, cable management and scalable thermal management options.

The range of products runs from open racks to closed cabinets, EMC-shielded to heavy-duty racks with a static load of up to 2000 lbs. All are equipped to meet the most diverse customer needs. The racks are lightweight yet stable, easy-to-assemble and offer numerous configuration possibilities.

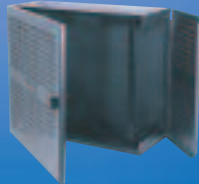
Key features include:

- **Aluminium construction** — Patented extruded aluminum frame allows for easy mounting of components, and offers high flexibility and stability without excessive weight.
- **T-slot system** — Simple installation of many components — anywhere in the frame.
- **Thermal management** — Fully perforated doors, with 83% open area far exceed server OEM requirements for effective heat dissipation additionally, a fan can be highly effective mounted on the rear door for spot cooling.
- **Lockable doors** — Offers physical protection for components against unauthorized access.
- **Cable management** — A complete cable management system assures optimum cable routing and includes an extensive range of accessory components to help manage cabling effectively.
- **Vented roof** — A vented roof also offers generous cable entrance.





EX Cable Management Channel
This versatile option helps to enhance cabling organization and internal airflow.



Wall Mount Systems
12 U Hinge Body "swing out" and 12" depth Low Profile available.

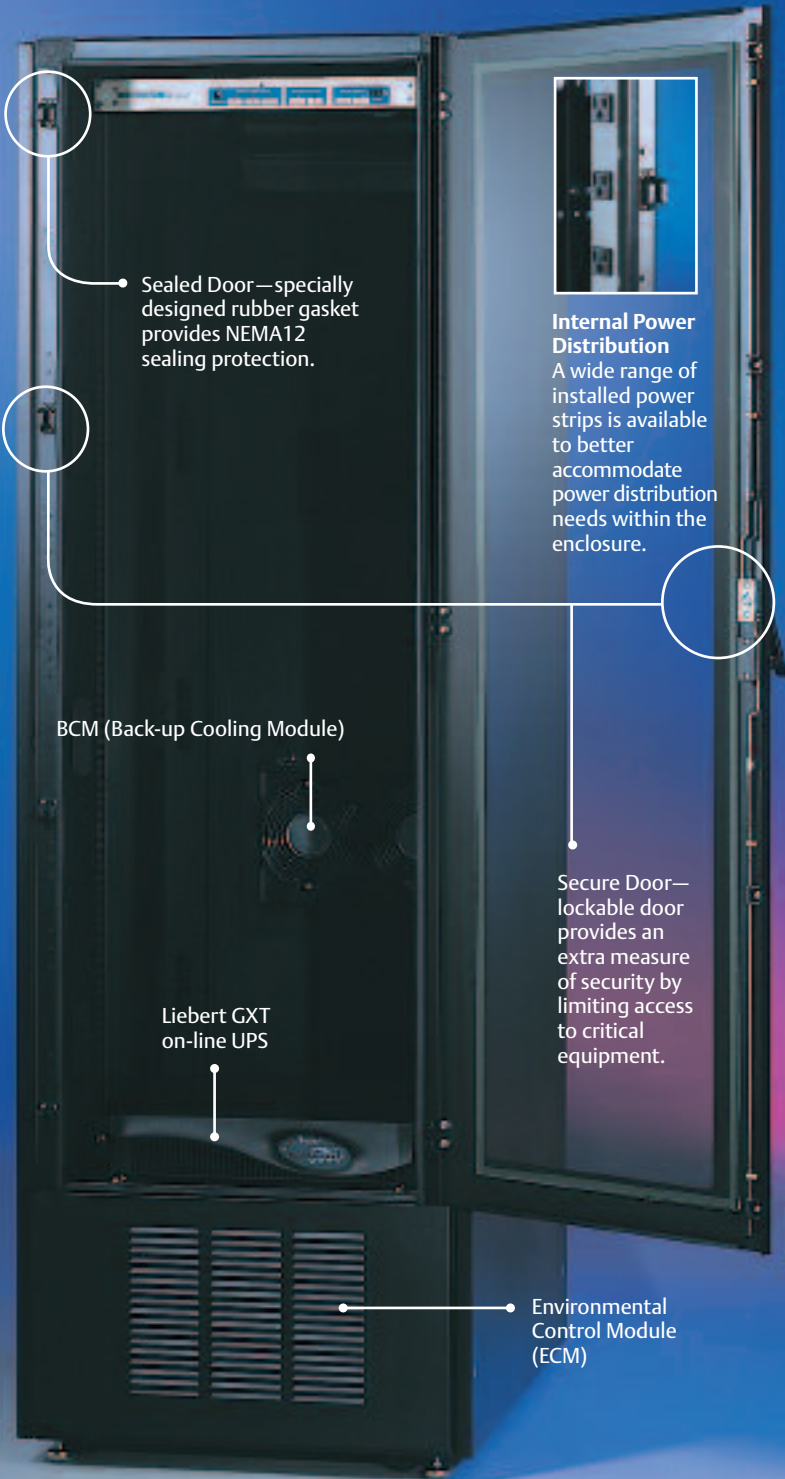
Where a minimal amount of equipment is needed, the Foundation 44" tall enclosure provides compact protection.



Bundled UPS systems available



Dual-Split Rear Door available



Sealed Door—specially designed rubber gasket provides NEMA12 sealing protection.



Internal Power Distribution
A wide range of installed power strips is available to better accommodate power distribution needs within the enclosure.



Secure Door—lockable door provides an extra measure of security by limiting access to critical equipment.

BCM (Back-up Cooling Module)

Liebert GXT on-line UPS

Environmental Control Module (ECM)

Liebert IP Telephony Availability System

Protecting The Edge Of The Network 

Liebert has brought together several of our product solutions to create the IP Telephony Availability System. Especially designed to protect switches, routers and other critical components, this solution is ideal for use in remote locations such as branch offices, retail stores and other edge of the network applications. Housed in a Liebert Foundation™ wall mount enclosure or freestanding enclosure.

The Liebert IP Telephony Availability System, version 1.0, has met the Cisco Technology Developer Partner Program test criteria for interoperability with Cisco CallManager Express 3.1, Cisco Unity Express, release 1.1.2, Cisco Unity 4.0 (3), and Unity Bridge 3.0 (2).

True On-Line Power Protection



The Liebert UpStation® GXT 2U, a true double conversion UPS, delivers the high level power quality required to fully protect critical network switching components from all power problems. Available in sizes from 700 up to 3000 VA.

Continuous Power Availability



In most cases, your critical routers and other network components cannot be without power even for scheduled UPS maintenance. To meet this need, the Liebert 2U Power Output Distribution (POD) system ensures continuous uptime by providing maintenance bypass capability as well as power output distribution.

Power System Monitoring, Communications & Remote Control

The Liebert Webcard, housed within the UPS, will deliver SNMP and web-management communications capabilities to your power system, including the ability to remotely reboot the switch by cycling the UPS power off and on.

