Liebert® GXT4™ UPS, 5kVA-10kVA
Intelligent, Reliable UPS Protection
Today’s converged networks require increased availability and reliability. IT professionals require higher density power protection systems that adapt to mixed load voltages and plug types, while remaining easy to install and maintain.

The Liebert Solution
The Liebert GXT4 UPS meets the need for higher power capacities in small spaces. This true on-line double conversion UPS system is available in larger capacity models of 5kVA – 10kVA, and features integrated maintenance bypass, as well as optional extended battery runtime. Plus, Liebert Services provides an optional Power Assurance Package that services and protects your UPS.

The Liebert GXT4 UPS is designed for use in either rack or tower configurations. As a global leader, 220V, 230V and 240V 50/60 Hz models are offered with CE and C-tick markings.

Dual Voltages For Multiple Applications
Output voltages of 240/120, 208/120, 230/115, 220/110, or 200/100 VAC provide the flexibility to adapt to multiple load requirements without the need to add additional transformers that take up extra space and add weight. Input power factor correction to 0.99 reduces current harmonics and their heating effects.

On Line, Double Conversion UPS For Best in Protection
Liebert® GXT4™ UPS includes these outstanding features:

**Flexibility:**
- **Rack/tower configuration.** The versatile unit installs in either configuration, and includes a rotating color LCD display.
- **Automatic frequency detection.** Detects and matches line input frequencies of either 60 or 50 Hz and can also be programmed to convert from one to the other.
- **Replaceable hot-swappable internal batteries.** Provide 5-8 minutes of runtime at full load depending on the model.
- **Additional runtime with additional battery cabinets.** UPS cabinet includes rear panel plug-and-play connections for optional battery cabinets. Cabinet sizes: 5/6 kVA 208/120V - 2U, 6 kVA 208V and 8-10 kVA 208/120V - 4U.
- **Liebert IntelliSlot™ communications port.** Provide SNMP and web-based monitoring and control of your UPS.
- **Includes Windows-based configuration program.** Allows various operating parameters to be adjusted and tests to be scheduled.
- **Built-in USB communications for use with Liebert MultiLink™ Automated Shutdown Software.** Allows you to monitor communication between the UPS and a server, and ensures a graceful unattended shutdown.
- **Built-in closure signals.** Provides notification to monitoring systems of operating conditions.
- **Emergency Power Off (EPO).** Terminal connections to integrate into your Emergency Power Off (EPO) system.

**Higher Availability:**
- **Wider input voltage window minimizes battery use.** Features a wide input voltage window that allows the UPS to support the critical load without having to transfer to battery, extending battery life for when it is truly needed.
- **Internal automatic and manual bypass.** Assures continuity of power to critical loads during system maintenance or in case of internal fault.
- **Self-diagnostics.** Automatically tests unit electronics and batteries. Designed to simplify maintenance and troubleshooting.

**Lowest Total Cost Of Ownership:**
- **ECO Mode** - Connected equipment can be powered through the bypass while the inverter remains at idle, reducing electricity consumption.
- **Standard two-year advanced replacement warranty.** No-hassle warranty provides paid shipping both ways. Optional one-year and three year extensions available.
- **Battery cutoff voltage** automatically adjusts based on load, extending battery life by preventing over-discharge of batteries.
- **ENERGY STAR® qualified UPS models** UPS products meeting the EPA’s requirements use an average of 35% less energy than their standard counterparts.
Liebert® GXT4™ UPS 5 and 6kVA models are true on-line UPS systems that provide internal batteries and dual output voltage. They are an ideal fit for applications where the power requirements are demanding such as network closets or small equipment racks.

Adaptable Design
For installation flexibility, the Liebert GXT4 UPS 5 and 6kVA models allow you to choose from several different wiring configurations made possible by the use of removable power distribution boxes (PODs) that simply plug into the rear of the UPS. The standard box provides terminal blocks for hardwired input and output connections. An optional hardwire version that includes a maintenance bypass is also available.

When the ease of plug-and-play power connections is desired, optional versions of the power distribution box convert Liebert GXT4 UPS 5 and 6kVA units to a cord-type input with receptacles for output distribution, and also offers maintenance bypass capability that allows hot-swapping of the entire UPS without interruption of power to the connected load.

The UPS has as adaptable dual inverter design, capable of providing output voltages of 240/120, 208/120, 230/115, 220/110, or 200/100 and an output power factor of 0.8.

8kVA and 10kVA Models
Provide Even More Power

The Liebert® GXT4™ UPS 8 and 10kVA units offer a flexible solution for protecting rack-mount equipment, including VoIP and PoE.

Specifically designed for use with the new generation of high power switches, these compact UPS systems pack 8kVA (7.2kW) or 10kVA (9kW) of power into a 6U rack/tower package with flexible output voltage and optional output distribution. The UPS includes built-in, replaceable batteries for up to 5-8 minutes of runtime at full load depending on model.

Adaptable Design
The UPS has a dual inverter design, capable of providing 5 output voltages of 240/120, 208/120, 230/115, 220/110, or 200/100 and an output power factor of 0.9. The 6U size is the smallest for 208/120 selectable voltage in the 8-10kVA model range.

The unit features integrated internal automatic and manual maintenance bypass, power module, battery modules, and optional plug-and-play distribution plates.

The standard 8 and 10kVA models include terminal blocks for hardwired connections of both input and output. Optional power distribution modules (PODs) are available to add output receptacles to the rear panel of the unit.

Hot-Swappable Operation
Liebert GXT4 UPS 8 and 10kVA units feature three bays for one power module and two battery modules. The chassis contains a bypass switch that allows all modules to be removed without powering down the connected load.
Total Care and Support for Critical Systems

Power Assurance Package

Comprehensive On-site Services – A Partner

To Assure Uptime

- **Five-year protection plan:** From on-site start-up and service support to 100% parts coverage
- **On-site start-up:** Installation and start-up of UPS and internal batteries (excludes hard-wired applications), configuration of new UPS and accessories, and, if purchased, safe removal and disposal of old UPS and batteries.
- **On-Site service support:** 7x24 support (within 150 miles of regional service center) and 100 percent labor and travel coverage.
- **100% parts coverage:** For internal batteries, POD (Power Output Distribution) and web card.
- **7x24 Access:** to customer resolution center and on-line access to Customer Services Network.
- **Preventative Maintenance** in third to fifth year for 5-10kVA models only.

**Key Benefits:**

- **Pain-free multi-site rollout management**
- **Frees up time-strapped IT staff** by managing and tracking UPS health, maintenance and service.
- **Reduces the worry** of critical equipment downtime.
- **Ensures rapid recovery** in the event of failure within 24-48 hours.
- **Frees you** from the responsibility of handling and documenting the disposal of hazardous materials, like batteries.
### Liebert GXT4 UPS specifications—5, 6, 8 and 10 kVA models

<table>
<thead>
<tr>
<th>Model Number</th>
<th>GXT4-5000RT208</th>
<th>GXT4-6000RT208</th>
<th>GXT4-8000RT208</th>
<th>GXT4-10000RT208</th>
<th>GXT4-6000RTL630</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Rating</td>
<td>4000W/5000VA</td>
<td>4800W/6000VA</td>
<td>7200W/8000VA</td>
<td>9000W/10000VA</td>
<td>4200W/6000VA</td>
</tr>
<tr>
<td>Dimensions, Rack Mount, W x D x H Unit in. (mm)</td>
<td>16.9 x 26.1 x 6.8 (430 x 662 x 173)</td>
<td>16.9 x 26.5 x 10.3 (430 x 672 x 261)</td>
<td>16.9 x 22.6 x 8.5 (430 x 574 x 217)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight Unit, lb (kg)</td>
<td>131.8 (60.9)</td>
<td>212.7 (96.7)</td>
<td>132.2 (60)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Input AC Parameters

- **Nominal Operating Frequency**: 50 or 60Hz (Factory Default is 60Hz)
- **Factory Default VAC**: 120/208VAC at 120 degrees
- **Factory Default L1-N, L2-N VAC**: 120 VAC nominal
- **Input Frequency w/o Battery Operation**: 40 - 70 Hz
- **Input Power Connection**: Hardwire Terminal Block 3W + G (L-L-N-G) L6-30P Plug (on PD-L630 power distribution box)
- **L1-N, L2-N Maximum Allowable VAC**: 150VAC

### Output AC Parameters

- **Factory Default VAC**: 120/208VAC @ 120 degrees
- **Factory Default L1-N, L2-N VAC**: 120VAC nominal
- **User Configurable L1-N, L2-N VAC**: 100/110/115/120/VAC, ±2%

### Overload Rating

- **105% to 130%**: 1 Minute
- **131% to 150%**: 10 seconds
- **151% to 200%**: 1 second
- **>200% (impact load)**: At least 5 cycles

### Environmental

- **Operating Temp, °F (°C)**: 32 to 104 (0 to 40)
- **Storage Temp, °F (°C)**: 32 to 104 (0 to 40)
- **Audible Noise**: Less than 55dBA at 3.2ft. (1m) rear; less than 50dBA at 3.2ft. (1m) front and sides
- **Operating Elevation**: Up to 10,000 ft. (3000m) at 77°F (25°C) without derating
- **Relative Humidity**: 0% to 95%, non-condensing

### Agency

- **Safety**: UL 1778, c-UL Listed
- **RFI/EMI**: FCC Class A
- **Surge Immunity**: IEEE/ANSI C62.41 Category A & B
- **Transportation**: ISTA Procedure 1E
- **ENERGY STAR® qualified**: YES

### Replacement internal battery part numbers

<table>
<thead>
<tr>
<th>Model Number</th>
<th>GXT4-144VBATKIT</th>
<th>GXT4-240VBATKIT</th>
<th>GXT4-288VBATKIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used with UPS Model</td>
<td>GXT4-5000RT208 GXT4-6000RT208</td>
<td>GXT4-6000RTL630</td>
<td>GXT4-8000RT208 GXT4-10000RT208</td>
</tr>
<tr>
<td>Dimensions, W x D x H, Unit in (mm)</td>
<td>8.1 x 19.3 x 2.8 (206 x 490 x 70)</td>
<td>7.2 x 15.4 x 4.4 (184 x 390 x 113)</td>
<td>8.1 x 19.7 x 5.3 (207 x 500 x 135)</td>
</tr>
<tr>
<td>Weight, Unit lb (kg)</td>
<td>75.6 (34.4)</td>
<td>45.4 (20.6)</td>
<td>71.1 (32.3)</td>
</tr>
</tbody>
</table>

### Battery Parameters

- **Type**: Valve-regulated, non-spillable, flame retardant, lead acid
- **Kit Quantity x Battery Quantity x V x Rating**: 2 x 6 x 12V x 9.0 AH | 2 x 10 x 12V x 5.0AH | 2 x 12 x 12V x 9.0 AH
- **Recharge Time**: 3 hours to 90% capacity after full discharge into 100% load
External battery cabinet specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>GXT4-144VBATT</th>
<th>GXT4-240VBATT</th>
<th>GXT4-288VBATT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used w/UPS Model</td>
<td>GXT4-5000 &amp; GXT4-6000RT208</td>
<td>GXT4-6000RTL630</td>
<td>GXT4-8000 &amp; GXT4-10000RT208</td>
</tr>
<tr>
<td>Dimensions, W x D x H, Unit (with bezel) in. (mm)</td>
<td>16.9 x 26.1 x 3.3 (430 x 662 x 85)</td>
<td>16.9 x 22.6 x 6.8 (430 x 574 x 173)</td>
<td>16.9 x 26.5 x 6.8 (430 x 672 x 173)</td>
</tr>
<tr>
<td>Weight, Unit lb (kg)</td>
<td>99.9 (45.3)</td>
<td>143.3 (65)</td>
<td>167.6 (76.2)</td>
</tr>
</tbody>
</table>

Battery Parameters

Type: Valve-regulated, non-spillable, lead acid

| Kit Quantity x Battery Quantity x Rating | 2 x 6 x 12V x 9.0 AH | 2 x 10 x 12V x 9.0 AH | 2 x 12 x 12V x 9.0 AH |

Environmental

Operating Temp, Storage Temp, Operating Elevation, and Relative Humidity: Same as UPS

Power distribution box specifications: GXT4-5000RT208, GXT4-6000RT208 and GXT4-6000RTL630*

<table>
<thead>
<tr>
<th>Power Distribution Box Model Number</th>
<th>PD2-HDWR-MBS</th>
<th>PD2-001</th>
<th>PD2-002</th>
<th>PD2-003</th>
<th>PD2-004</th>
<th>PD2-005</th>
<th>PD2-006</th>
<th>PD2-007</th>
<th>PD2-L630*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions, W x D x H, Unit in (mm)</td>
<td>5.2x15.5x3.5 (132x393x88)</td>
<td>12.2x7.4x3.5 (309x188x88)</td>
<td>12.6x7.7x3.5 (320x195x88)</td>
<td>15.5x7.4x3.5 (393x188x88)</td>
<td>20.4x7.4x3.5 (520x188x88)</td>
<td>20.6x7.7x3.5 (525x195x88)</td>
<td>18.2x7.4x3.5 (462x188x88)</td>
<td>18.2x7.4x3.5 (462x188x88)</td>
<td>18.2x7.4x3.5 (462x188x88)</td>
</tr>
<tr>
<td>Weight, lb (kg)</td>
<td>6 (2.7)</td>
<td>8.8 (4)</td>
<td>8.6 (3.9)</td>
<td>8.6 (3.9)</td>
<td>9.9 (4.5)</td>
<td>10.6 (4.8)</td>
<td>9.5 (4.3)</td>
<td>9.5 (4.3)</td>
<td>8.8 (4)</td>
</tr>
</tbody>
</table>

Electrical Specifications

Amp Rating: 30A 2-pole input breaker for UPS input power

| Input Power Connections | Hard-Wired Terminal Block 3W + G (L-L-N-G) | (1) L14-30P on a 10.5 ft. (3.2m) cord | (1) L6-30P on a 10.5 foot (3.2m) cord |
| Output Power Connection | Hardwire Terminal Block 3W + G (L-L-N-G) | (4) 5-20R (1) L14-30R (1) 6-30R | (2) 5-20R (2) 6-20R |

* PD2-L630 is only compatible with the GXT4-6000RTL630 UPS model

Power distribution box specifications for GXT4-8000RT208 and GXT4-10000RT208

<table>
<thead>
<tr>
<th>Power Distribution Box Model Number</th>
<th>PD2-101</th>
<th>PD2-102</th>
<th>PD2-103</th>
<th>PD2-104</th>
<th>PD2-105</th>
<th>PD2-106</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions, W x H, Unit in. (mm)</td>
<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
</tr>
<tr>
<td>Weight, Unit lb (kg)</td>
<td>4.4 (2)</td>
<td>6.6 (3)</td>
<td>6.6 (3)</td>
<td>6.6 (3)</td>
<td>4.4 (2)</td>
<td>6.6 (3)</td>
</tr>
</tbody>
</table>

Electrical Specifications

Amp Rating: 63 Amps

| Input Power Connections | Custom Connector 3W + G (L-L-N-G) to UPS |
| Output Power Connection | (2) 16-30 (8) 5-15/20R | (4) L6-20R (4) 5-15/20R | (4) 15/20/30R (4) L6-30R | (4) 15/20/30R (2) L6-30R | (4) L6-20R (2) L6-30R | (4) L6-20R (4) L5-20R |

Power distribution box specifications for GXT4-8000RT208 and GXT4-10000RT208

<table>
<thead>
<tr>
<th>Power Distribution Box Model Number</th>
<th>PD2-107</th>
<th>PD2-108</th>
<th>PD2-109</th>
<th>PD2-200</th>
<th>PD2-201</th>
<th>PD2-202</th>
<th>PD2-204</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions, W x H, Unit in. (mm)</td>
<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
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<td>7.4 x 5.7 (188 x 145)</td>
<td>7.4 x 5.7 (188 x 145)</td>
</tr>
<tr>
<td>Weight, Unit lb (kg)</td>
<td>6.6 (3)</td>
<td>4.4 (2)</td>
<td>6.6 (3)</td>
<td>4.4 (2)</td>
<td>12 (5.4)</td>
<td>12 (5.4)</td>
<td></td>
</tr>
</tbody>
</table>

Electrical Specifications

Amp Rating: 63 Amps

| Input Power Connections | Custom Connector 3W + G (L-L-N-G) to UPS |
| Output Power Connection | (4) L5-20R (4) 5-15/20R | (2) 16-20R (2) L6-30R | (2) L14-30R | (2) 16-20R | (4) IEC320-C19 (8) IEC320-C13 | (2) IEC320-C19 (4) IEC320-C13 | (2) IEC320-C19 (4) IEC320-C13 |

* PD2-L630 is only compatible with the GXT4-6000RTL630 UPS model