Vertiv™ Liebert® GXT5
TAA Compliant UPS
1000 - 3000VA 120V
Online Double-Conversion UPS
Offers the Highest Level of
Power Protection
Online Double-Conversion UPS Offers the Highest Level of Power Protection

The Vertiv™ Liebert® GXT5 TAA UPS is an online double conversion UPS solution which offers premium power outage protection and continuous power conditioning in a compact and flexible rack/tower form factor.

The Liebert® GXT5 TAA single-phase UPS operates with high power efficiency, making it ideally suited to protect critical infrastructure in both centralized and edge network applications.

Scalable runtime options with matching external battery cabinets offer additional flexibility when extended uninterrupted power is required. Plus, the Liebert GXT5 TAA provides battery health status and replacement date prediction for intelligent battery health management.

With market leading efficiency and unity power factor operation, the Liebert GXT5 TAA will meet your critical application needs. And you can rest assured that your business is protected with this Vertiv™ solution that includes a standard, three-year advanced exchange product warranty.

Liebert® GXT5 TAA Features

**Leading UPS Technology**
- High output power factor = up to 1.0
- Full-color graphic LCD with gravity sensing orientation
- Individually controllable output power sockets
- External battery cabinets with auto-detection
- Battery health status and replacement date prediction
- Remote management, update, and configuration capabilities
- Optimized thermal management and variable speed fan

**Efficient and Green Product**
- High efficiency in online mode
- Energy Star 2.0 certified
- Even higher efficiency (up to 98%) in Active ECO mode
- Programmable outlets for power cycling hung equipment and optimum battery usage
- Compliance with Restriction of Hazardous Substances (RoHS) directive and the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) regulation

**Solutions Wide**
- Compact rack/tower design
- Broad range of services and extended warranty
- Easy to install, configure and operate
- Vertiv™ RDU101 network communications card with advanced features
- Compatibility with environmental sensors
- Integrated dry-contacts with selectable definition
- Free Trellis™ Power Insight management software
- Serial port for out-of-band management with Avocent® serial consoles
- Automatic internal bypass and external maintenance bypass options

What's in the box

- UPS
- Tower stand
- 4-Post Rack Mounting Kit
- USB Cable
- Quick Start Guide
- Safety Manual
- Vertiv™ Power Insight Management software (free download from Vertiv.com)
Vertiv™ Liebert® GXT5 TAA Features

**Battery cabinets with auto-detection**
Be confident the UPS is set up correctly to report available runtime when used with external battery cabinets.

**Efficiency (up to 98%) in Active ECO mode**
Superior protection with maximum efficiency.

**High power factor (0.9-1.0)**
More usable power enables more connected loads saving space and costs.

**Efficiency (up to 95%) in online mode**
Energy Star 2.0 certification. Higher efficiency means an optimized energy management and lower heat dissipation, for energy savings and improved reliability.

**Colored graphic LCD with gravity sensitive orientation**
User-friendly interface provides insight to UPS status for easy installation, configuration and operation.

**Compact rack/tower design**
Space-saving UPS provides rack space optimization and flexible installation.

**Product warranty**
Comprehensive coverage through a standard three-year advanced exchange warranty.
Vertiv™ Liebert® GXT5 TAA | 1000 - 3000VA 120V UPS

### 1000-1500VA – 120V Rack/Tower

- **External Battery Connector**: Scalable runtime solution supported for extended outage protection
- **4 x Individually Controllable Receptacle**: Manage load on battery and control unauthorized access to UPS receptacle

### 2000VA – 120V Rack/Tower

- **External Battery Connector**: Scalable runtime solution supported for extended outage protection
- **NEMA L5-20R**: Support larger devices or rack PDU
- **4x Individually Controllable Receptacle, 2x Always on Receptacles**: Manage load on battery and control unauthorized access to UPS receptacle

### 3000VA – 120V Rack/Tower

- **External Battery Connector**: Scalable runtime solution supported for extended outage protection
- **NEMA L5-30R**: Support larger devices or rack PDU
- **4x Individually Controllable Receptacle, 2x Always on Receptacles**: Manage load on battery and control unauthorized access to UPS receptacle

**Communications**
- SNMP, Serial, Dry contact, Local USB
- Local and remote configuration and UPS Management

**NEMA 5/15P input with over current protection**
- Simple installation and power on with connected input cord

**NEMA L5-20P input with over current protection**
- Includes NEMA 5-20 Adapter Cable for non-locking receptacles

**NEMA L5-30P input with over current protection**
- Simple installation and power on with connected input cord
### How You Benefit from the Vertiv™ Liebert® GXT5 TAA UPS

#### Designed for high availability

- The higher power factor (0.9 - 1.0) ensures the connection of more loads and IT equipment
- With individually controlled output receptacles, you can manage power to individual devices without impacting other critical network equipment operation
- Minimum downtime of the device provided by hot-swappable, user-replaceable battery modules which can be changed during operation
- LIFE™ Services helps to enhance uptime, as well as operational efficiency with continuous remote monitoring, expert analysis, and proactive response
- Automatic self-test

#### User-friendly installation and operation

- Easy-to-read, gravity-sensing graphical color display
- Intuitive user interface for local configuration and management
- Support for the Vertiv suite of remote management tools (Trellis™ Power Insight, Vertiv™ RDU101 network interface card, and serial connectivity support)
- Auto-detection of external battery cabinets enables faster deployment and accurate runtime information
- Remote UPS firmware upgrade capability ensures the UPS has the latest features and enhancements

#### Longer service life and runtime of the batteries

- Extended runtimes provided by the addition of external battery cabinets
- Improved battery care by temperature-compensated battery charging
- Intelligent battery health management ensures a longer service life (optimized battery maintenance and replacement when needed)

#### Optimized energy and capacity management

- Active ECO operating mode with up to 98% efficiency
- Efficiency in online double conversion mode up to 95%
- Energy Star 2.0 certified
- Four individually programmable output receptacles can be use to extend runtime for the most critical loads and smart disconnection of the less critical ones

#### Seamless connectivity

- Four onboard, user-definable dry contact I/O for integration of support management systems
- Supports SNMP, web, and environmental sensors with the optional RDU101 communications card
- Serial connection for integration of Avocent® ACS product or direct serial management and control of the UPS
# Liebert® GXT5 TAA UPS - Power Assurance Services

## Power Assurance Package

### Bundled Start-up Service AND 5-Year On-site Emergency Response

<table>
<thead>
<tr>
<th>Equipment Model / Type</th>
<th>Part Number</th>
<th>Part Number</th>
<th>Part Number</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liebert® GXT5 UP TO 3 KVA</td>
<td>PAPGXT-1K3K</td>
<td>PAPGXT-1K3KLF</td>
<td>PAPGXT-1K3KRMV</td>
<td>PAPGXT-1K3KRLF</td>
</tr>
<tr>
<td>External Battery Cabinet (36V or 48V or 72V)</td>
<td>PAPGXT-BATT</td>
<td>N/A</td>
<td>PAPGXT-BATT RMV</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## Power Startup Services

### Startup Service Only

<table>
<thead>
<tr>
<th>Equipment Model / Type</th>
<th>Part Number</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liebert GXT5 UP TO 3 KVA</td>
<td>SUGXT-1K3K</td>
<td>SUGXT-1K3KRMV</td>
</tr>
<tr>
<td>External Battery Cabinet (36V or 48V or 72V)</td>
<td>SUGXT-EXTBTCB</td>
<td>SUGXT-EXTBTCBRMV</td>
</tr>
</tbody>
</table>

## Power Emergency Services

### 5-Year On-site Emergency Coverage - Only

<table>
<thead>
<tr>
<th>Equipment Model / Type</th>
<th>Part Number</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liebert GXT5 UP TO 1 KVA</td>
<td>PEPGXT-1K5YR</td>
<td>PEPGXT-1KLF</td>
</tr>
<tr>
<td>Liebert GXT5 1.5 kVA</td>
<td>PEPGXT-15005YR</td>
<td>PEPGXT-1500LF</td>
</tr>
<tr>
<td>Liebert GXT5 2.0 kVA</td>
<td>PEPGXT-20005YR</td>
<td>PEPGXT-2000LF</td>
</tr>
<tr>
<td>Liebert GXT5 3.0 kVA</td>
<td>PEPGXT-30005YR</td>
<td>PEPGXT-3000LF</td>
</tr>
<tr>
<td>External Battery Cabinet 36V</td>
<td>PEPGXT-36VBAT5YR</td>
<td>N/A</td>
</tr>
<tr>
<td>External Battery Cabinet 48V</td>
<td>PEPGXT-48VBAT5YR</td>
<td>N/A</td>
</tr>
<tr>
<td>External Battery Cabinet 72V</td>
<td>PEPGXT-72VBAT5YR</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## Power Assurance Package - Summary

- Includes all below “Power Start-up Services” and “Power Emergency Services” support
- One Preventative Maintenance visit after 3rd year (5-10kVA UPS only)

## Power Startup Services - Summary

- Installation includes mounting and start-up of new UPS or EBC (excludes hard-wired applications)
- Services performed by Vertiv factory trained technician
- Services performed 7 X 24, excluding national holidays within the 48 contiguous states and Hawaii
- Removal and disposal of existing UPS or EBC equipment, if selected

## Power Emergency Services - Summary

- On Site Service Support
- Full-service five (5) year contract term commencing upon the start-up date
- 100% parts coverage, including internal batteries, POD and web card
- 100% labor and travel coverage 7 days/week, 24 hours/day
- 24-Hour Customer Resolution Center via 1-800-LIEBERT
- Access to Customer Services Network portal

**LIFE Services includes above plus:**

- Continuous Monitoring, Expert Analysis, and Proactive Response

*Note: LIFE™ Services requires an Vertiv™ RDU101 card, which is included on all 5000VA to 10000VA models. Please refer to the Scopes of Work for full and additional details.*
Power Assurance Package: Comprehensive Service Support for Critical Systems

- **Five-year protection plan** with 100% parts coverage and 24x7 emergency service
- **On-site installation and startup** of UPS and internal batteries (excludes hard-wired applications); configuration of new UPS and accessories; and if purchased, safe removal and disposal of legacy UPS and batteries
- **On-site service support** available 24x7 (within 150 miles of regional service center) and includes 100% labor and travel coverage
- **100% parts coverage** for UPS and includes internal batteries, POD (power output distribution), and web card
- **24x7 access** to customer resolution center and online access to Customer Services Network

Key benefits

- Hassle-free management of multi-site rollouts
- 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 legacy UPS and batteries

Remote Diagnostic Services for Rapid Response

- Uptime assurance
  - Continuous monitoring for early detection of trends and operating anomalies
  - Analysis and interpretation of alarm and status messages

- Rapid incident response
  - Automatic transmission of data for analysis
  - Concurrent diagnosis and dispatch of engineer to site
  - Shipment of parts for corrective maintenance

- Increased insight and ease of management
  - Notification of operating conditions that may impact system health
  - Periodic trend and analysis reports
  - Integration of remote and on-site services to ensure business continuity

Refer to page 11 for service offerings’ SKUs
## Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>GXTS-1000LVRT2UXLTAA</th>
<th>GXTS-1600LVRT2UXLTAA</th>
<th>GXTS-2000LVRT2UXLTAA</th>
<th>GXTS-3000LVRT2UXLTAA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ratings (VA/W)</strong></td>
<td>1000VA/1000W</td>
<td>1500VA/1500W</td>
<td>2000VA/1800W</td>
<td>3000VA/2700W</td>
</tr>
<tr>
<td><strong>Dimensions, inches (mm)</strong></td>
<td>16.9 x 15.7 x 3.4 (430 x 400 x 85)</td>
<td>16.9 x 18.5 x 3.4 (430 x 470 x 85)</td>
<td>16.9 x 18.5 x 3.4 (430 x 470 x 85)</td>
<td>16.9 x 21.3 x 3.4 (430 x 540 x 85)</td>
</tr>
<tr>
<td><strong>Weight, pounds (kg)</strong></td>
<td>37 (16.8)</td>
<td>46.2 (21)</td>
<td>47.5 (21.6)</td>
<td>66(30)</td>
</tr>
</tbody>
</table>

### Input AC Parameters

- **Typical 120V Range**: 60-150V

### Output AC Parameters

- **User selectable output**: 110/115/120/125VAC (user-configurable); ±3%

### Battery

- **Type**: Valve-regulated, non-spillable, lead acid
- **Backup Time (100% Load)**: 6.7 hours
- **Backup Time (50% Load)**: 17.9 hours
- **+1 External Battery Cabinet (100% Load)**: 32.6 hours
- **+1 External Battery Cabinet (50% Load)**: 76.5 hours

### Environmental Requirements

- **Operating Temperature, °F (°C)**: +32 to +104 (0 to 40)
- **Storage Temperature, °F (°C)**: -4 to +140 (-20 to 60)
- **Relative Humidity**: 0% to 95%, non-condensing
- **Operating Elevation**: 10,000 ft. (3,000m)
- **Storage Elevation**: 50,000 ft. (15,000m)
- **Audible Noise**: <46dBA max @ 3 ft. (1m) front and sides, <43dBA at 3 ft. (1m) rear

### Agency

- **Surge Immunity**: ANSI C62.41 Category B
- **Transportation**: ISTA Procedure 1A
- **Safety**: UL 1778 4th Edition and CSA 22.2 No 1073
- **Emissions**: FCC Part 15 (Class A) - CISPR22 Class A (RFI)
- **Environmental**: WEEE and ROHS2 REACH

### Warranty

- **Equipment Protection Plan**: $500,000

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*Vertiv™ Liebert® GXT5 TAA | 1000 - 3000VA 120V UPS*
Vertiv™ VR Rack  
Supports a wide variety of equipment and gives you the flexibility you need with easy installation

Vertiv™ Geist™ rPDU  
Reliably distributes power to the rack, supporting dynamic data center operations and DCIM

Vertiv™ SwitchAir™  
Prevents overheating of network switches by directing cool air to switch intakes, keeping hot exhaust air out

Vertiv™ KVM Switch  
Enables single-point access for switching between multiple computers

Vertiv™ Rack Cooling  
Provides energy-efficient cooling close to the IT equipment and UPS units

Vertiv™ ACS Console  
Enables integrated remote monitoring, out-of-band management, and IoT connectivity

Vertiv™ Liebert® GXT5 TAA  
Helps protect mission-critical equipment from all power disturbances due to blackouts, brownouts, sags, surges or noise interference

Accessories

Racks and enclosures:  
Support a wide variety of equipment with the Vertiv™ VR Rack including servers, storage, switches, routers, PDUs, UPS units, console port servers, and KVM switches.

Rails and mounting hardware:  
Install equipment with a four-post rail kit and hardware for mounting in a 19- or 23-inch rack or choose a two-post telecom rack for front- or mid-chassis, wall, or Zero U configuration.

Rack mount PDUs:  
For basic or intelligent power distribution that helps prevent overloaded circuits in the data center, choose from products such as upgradable PDUs, inline power meters, transfer switches, and monitoring sensors.

Extended battery modules:  
Enable scalable runtime for support during extended power outage situations by adding reliable power and protection to new or existing deployments.

Environmental sensor:  
Maintain knowledge of remote environments with temperature, humidity and leak detection, or monitor available dry-contact sensors for security access control or smoke detection.

Vertiv™ Rack Cooling  
Provides energy-efficient cooling close to the IT equipment and UPS units

Vertiv™ ACS Console  
Enables integrated remote monitoring, out-of-band management, and IoT connectivity

Vertiv™ KVM Switch  
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Extended battery modules:  
Enable scalable runtime for support during extended power outage situations by adding reliable power and protection to new or existing deployments.

Environmental sensor:  
Maintain knowledge of remote environments with temperature, humidity and leak detection, or monitor available dry-contact sensors for security access control or smoke detection.
**TAA Compliant Accessories for the Vertiv™ Liebert® GXT5 TAA UPS**

### External Battery Cabinets for Scalable Runtime

<table>
<thead>
<tr>
<th>UPS Model</th>
<th>External Battery Cabinets</th>
</tr>
</thead>
<tbody>
<tr>
<td>GXT5-1000LVRT2UXLTA</td>
<td>GXT5-EBC36VRT2UTAA</td>
</tr>
<tr>
<td>GXT5-1500LVRT2UXLTA</td>
<td>GXT5-EBC48VRT2UTAA</td>
</tr>
<tr>
<td>GXT5-2000LVRT2UXLTA</td>
<td>GXT5-EBC48VRT2UTAA</td>
</tr>
<tr>
<td>GXT5-3000LVRT2UXLTA</td>
<td>GXT5-EBC72VRT2UTAA</td>
</tr>
</tbody>
</table>

### Non-TAA Accessories

#### Network communications and environmental sensors

<table>
<thead>
<tr>
<th>Network Communications</th>
<th>RDU101</th>
<th>IS-RELAY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Environmental Sensors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SN-Z01</td>
<td>SN-Z02</td>
</tr>
<tr>
<td></td>
<td>SN-Z03</td>
<td>SN-T</td>
</tr>
<tr>
<td></td>
<td>SN-TH</td>
<td>SN-2D</td>
</tr>
<tr>
<td></td>
<td>SN-3C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SN-L20</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supports environmental sensors. Intellislot web card for SNMP and web management.</th>
<th>Intellislot Interface Kit for Relay Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated cable with single temperature sensor</td>
<td>Modular with single temperature sensor</td>
</tr>
<tr>
<td>Integrated cable with three temperature sensors</td>
<td>Modular with two door contact inputs</td>
</tr>
<tr>
<td>Integrated cable with three temperature and one humidity sensors</td>
<td>Modular with three dry contact inputs</td>
</tr>
<tr>
<td>SN-TH Modular with single temperature and single humidity sensor</td>
<td>Modular leak zone sensor with 20 foot cable (Liebert RDU-S only)</td>
</tr>
</tbody>
</table>

### UPS manageability options

<table>
<thead>
<tr>
<th>Trellis™ Power Insight Software Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trellis™ Power Insight is a complimentary web-based software designed to monitor up to 100 Vertiv™ UPSs and Vertiv™ PDU.</td>
</tr>
</tbody>
</table>

### Liebert® MicroPOD - Maintenance bypass and output distribution

The Liebert® MicroPOD (Power Output Distribution) is a maintenance bypass option for UPS products, 3 kVA and below. It allows removal of the UPS without powering down the connected equipment. The 2U PODs can be installed on the floor or mounted to a Liebert® GXT5 UPS using the included mounting brackets.

<table>
<thead>
<tr>
<th>UPS VA rating</th>
<th>POD Model Number</th>
<th>Output Receptacles</th>
<th>Plug to Utility</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000-1500VA</td>
<td>MP2-115HW</td>
<td>8 x 5-15R</td>
<td>S-15P</td>
</tr>
<tr>
<td>1500-2000VA</td>
<td>MP2-115A</td>
<td>8 x 5-15R</td>
<td>S-15P</td>
</tr>
<tr>
<td></td>
<td>MP2-120HW</td>
<td>8 x 5-15/20R</td>
<td>S-20P</td>
</tr>
<tr>
<td>2000-2500VA</td>
<td>MP2-120C</td>
<td>4 x 5-15/20R; 1 x L5-20R</td>
<td>S-20P</td>
</tr>
<tr>
<td>2500-3000VA</td>
<td>MP2-120E</td>
<td>4 x 5-15R; 2 x L5-20R</td>
<td>L5-30P</td>
</tr>
<tr>
<td>3000VA</td>
<td>MP2-130HW</td>
<td>Hard Wired</td>
<td>Hardwired</td>
</tr>
<tr>
<td></td>
<td>MP2-130C</td>
<td>8 x 5-15/20R</td>
<td>L5-30P</td>
</tr>
<tr>
<td></td>
<td>MP2-130E</td>
<td>2 x 5-15/20R; 1 x L5-30R; 4 x 5-15/20R</td>
<td>L5-30P</td>
</tr>
<tr>
<td></td>
<td>MP2-130P</td>
<td>4 x 5-15R; 2 x L5-20R</td>
<td>L5-30P</td>
</tr>
</tbody>
</table>
### Mounting Kit Options

<table>
<thead>
<tr>
<th>Application</th>
<th>Model Supported</th>
<th>Style</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Post- Telecom rack</td>
<td>Liebert® GXT5 UPS family (500VA to 10kVA)</td>
<td>Shelf</td>
<td>RS500</td>
<td>Flush-mount shelf for 19” rack wide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shelf</td>
<td>RS600</td>
<td>Center-mount shelf for 19” rack wide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shelf</td>
<td>RS700</td>
<td>Flush-mount shelf for 23” rack wide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shelf</td>
<td>RS800</td>
<td>Center-mount shelf for 23” rack wide</td>
</tr>
<tr>
<td></td>
<td>Liebert GXT5 up to 3kVA</td>
<td>Bracket</td>
<td>2UTELCOMRKIT</td>
<td>Only center-mount bracket for 19” rack wide</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bracket</td>
<td>2POSTRMKIT</td>
<td>Front flush/ center-mount bracket - 4-piece design</td>
</tr>
<tr>
<td>Wall Mount</td>
<td>Liebert GXT5 up to 3kVA</td>
<td>Bracket</td>
<td>WMBKT2U</td>
<td>Wall mount bracket holds (1) GXT5 2U or (1) PSi5 2U product, steel painted black</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bracket</td>
<td>WMBKT2US</td>
<td>Wall mount bracket holds (1) GXT5 2U or (1) PSi5 2U product, stainless steel</td>
</tr>
<tr>
<td>4 Post rack</td>
<td>Entire Liebert GXT5 UPS family (500VA to 10kVA)</td>
<td>Bracket</td>
<td>RMKIT18-32</td>
<td>Cabinet/racks with 18” - 32” deep support rails - Telescopic rail</td>
</tr>
</tbody>
</table>

**Note:** RS600 and RS800 kits include adapter brackets for installation of up to (2) Liebert® GXT5 2U model