



# Vertiv™ Liebert® GXT5 UPS

500 - 3000VA 120V

Intelligent and Efficient UPS  
for Protection of Your  
Mission-Critical Applications



## Intelligent and Efficient UPS for Protection of Your Mission-Critical Applications

**The Vertiv™ Liebert® GXT5 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 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 provides battery health status and replacement date prediction for intelligent battery health management.

### Liebert GXT5 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

The UPS system is easy to deploy and maintain due to its user-friendly LCD interface and remote management capabilities supported by the Vertiv RDU101 communications card which makes the Liebert GXT5 compatible with Vertiv infrastructure management solutions such as LIFE™ Services, environmental sensors, *Trellis™* Power Insight, and more.

With market leading efficiency and unity power factor operation, the Liebert GXT5 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.

#### 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

### What's in the box

- UPS
- Tower stand
- 4-Post Rack Mounting Kit
- USB Cable
- Quick Start Guide
- Safety Manual
- Power Insight management software (free download from Vertiv.com)



#### 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

## Vertiv™ Liebert® GXT5 Features



**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.



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

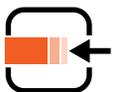
**Colored graphic  
LCD with gravity  
sensitive orientation**

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.



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



**Product warranty**  
Comprehensive coverage through a standard three-year advanced exchange warranty.



## How You Benefit from the Vertiv™ Liebert® GXT5 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, 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 used 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

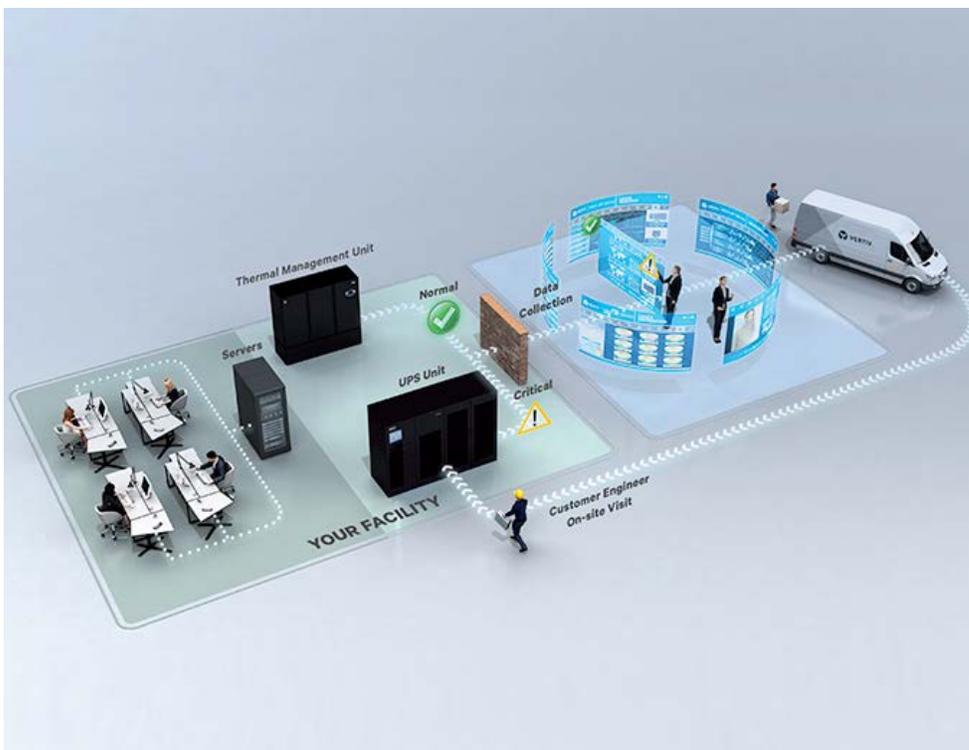
## Power Assurance Package: Comprehensive Service Support for Critical Systems

- **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



Refer to page 11 for service offerings' SKUs

### 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

# Vertiv™ Liebert® GXT5 | 500 - 3000VA 120V UPS

## Technical Specifications

	GXT5-500LVRT2UXL	GXT5-750LVRT2UXL	GXT5-1000LVRT2UXL	GXT5-1500LVRT2UXL	GXT5-2000LVRT2UXL	GXT5-3000LVRT2UXL
Ratings (VA/W)	500VA/500W	750VA/750W	1000VA/1000W	1500VA/1350W	2000VA/1800W	3000VA/2700W

### Dimensions, inches (mm)

Unit W x D x H	16.9 x 15.7 x 3.4 (430 x 400 x 85)	16.9 x 15.7 x 3.4 (430 x 400 x 85)	16.9 x 15.7 x 3.4 (430 x 400 x 85)	16.9 x 18.5 x 3.4 (430 x 470 x 85)	16.9 x 18.5 x 3.4 (430 x 470 x 85)	16.9 x 21.3 x 3.4 (430 x 540 x 85)
Unit W x D x H	16.9 x 15.7 x 3.4 (430 x 400 x 85)	16.9 x 15.7 x 3.4 (430 x 400 x 85)	16.9 x 15.7 x 3.4 (430 x 400 x 85)	16.9 x 18.5 x 3.4 (430 x 470 x 85)	16.9 x 18.5 x 3.4 (430 x 470 x 85)	16.9 x 21.3 x 3.4 (430 x 540 x 85)

### Weight, pounds (kg)

Unit	37 (16.8)	37 (16.8)	37 (16.8)	46.2 (21)	47.5 (21.6)	66(30)
Unit	37 (16.8)	37 (16.8)	37 (16.8)	46.2 (21)	47.5 (21.6)	66(30)

### Input AC Parameters

Range	Typical 120V Range: 60-150V	Typical 120V Range: 60-150V	Typical 120V Range: 60-150V	Typical 120V Range: 60-150V	Typical 120V Range: 60-150V	Typical 120V Range: 60-150V
Frequency	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing
Input Power Cord	10 ft. attached w/ NEMA 5-15P plug	10 ft. attached w/ NEMA 5-15P plug	10 ft. attached w/ NEMA 5-15P plug	10 ft. attached w/ NEMA 5-15P A plug	10 ft. attached w/ NEMA L5-20P A plug	10 ft. attached w/ NEMA L5-30P plug

### Output AC Parameters

Output Receptacles	5-15R x 6	5-15R x 6	5-15R x 6	5-15R x 6	L5-20R+5-20R x 6	L5-30R+5-20R x 6
Typical 120V User selectable output	110/115/120/125VAC (user-configurable); ±3%	110/115/120/125VAC (user-configurable); ±3%	110/115/120/125VAC (user-configurable); ±3%	110/115/120VAC (user-configurable); ±3%	110/115/120VAC (user-configurable); ±3%	110/115/120VAC (user-configurable); ±3%
Waveform	Sine wave	Sine wave	Sine wave	Sine wave	Sine wave	Sine wave
Utility (AC) Mode Overload	>200% for 250ms; 150- 200% for 50 seconds; 125- 150% for 60 seconds; 105-125% for 60 seconds	>200% for 250ms; 150- 200% for 50 seconds; 125- 150% for 60 seconds; 105-125% for 60 seconds	>200% for 250ms; 150- 200% for 50 seconds; 125- 150% for 60 seconds; 105-125% for 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% for 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% for 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 10 seconds; 105-125% for 15 seconds

### Battery

Type	Valve-regulated, non-spillable, lead acid					
Backup Time (100% Load)	15 Minutes	8.5 Minutes	6 Minutes	5 Minutes	3 Minutes	3 Minutes
Backup Time (50% Load)	36.5 Minutes	21.5 Minutes	15 Minutes	13 Minutes	9 Minutes	9 Minutes
+1 External Battery Cabinet (100% Load)	65 Minutes	41 Minutes	28.5 Minutes	25 Minutes	17 Minutes	17 Minutes
+1 External Battery Cabinet (50% Load)	132 Minutes	88 Minutes	65 Minutes	59 Minutes	42 Minutes	43.5 Minutes

### Environmental Requirements

Operating Temperature, °F (°C)	+32 to +104 (0 to 40)	+32 to +104 (0 to 40)	+32 to +104 (0 to 40)	+32 to +104 (0 to 40)	+32 to +104 (0 to 40)	+32 to +104 (0 to 40)
Storage Temperature, °F (°C)	-4 to +140 (-20 to 60) contain batteries will be from -15 to 40°C.	-4 to +140 (-20 to 60) contain batteries will be from -15 to 40°C.	-4 to +140 (-20 to 60) contain batteries will be from -15 to 40°C.	-4 to +140 (-20 to 60) contain batteries will be from -15 to 40°C.	-4 to +140 (-20 to 60) contain batteries will be from -15 to 40°C.	-4 to +140 (-20 to 60) contain batteries will be from -15 to 40°C.
Relative Humidity	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing
Operating Elevation	10,000 ft. (3,000m)	10,000 ft. (3,000m)	10,000 ft. (3,000m)	10,000 ft. (3,000m)	10,000 ft. (3,000m)	10,000 ft. (3,000m)
Storage Elevation	50,000 ft. (15,000m)	50,000 ft. (15,000m)	50,000 ft. (15,000m)	50,000 ft. (15,000m)	50,000 ft. (15,000m)	50,000 ft. (15,000m)
Audible Noise	<46dBA max @ 3 ft. (1m) front and sides < 43dBA, at 3 ft. (1m) rear	<46dBA max @ 3 ft. (1m) front and sides < 43dBA, at 3 ft. (1m) rear	<46dBA max @ 3 ft. (1m) front and sides < 43dBA, at 3 ft. (1m) rear	< 46dBA at 3 ft. (1m) front and side < 45dBA at 3 ft. (1m) rear	<48dBA max @ 3 ft. (1m) front and side <48dBA max @ 3 ft. (1m) rear	<48dBA max @ 3 ft. (1m) front and side <48dBA max @ 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. 1071	UL 1778 4th Edition and CSA 22.2 No. 1071	UL 1778 4th Edition and CSA 22.2 No. 1071	UL 1778 4th Edition and CSA 22.2 No. 1071	UL 1778 4th Edition and CSA 22.2 No. 1071	UL 1778 4th Edition and CSA 22.2 No. 1071
Emissions	FCC Part 15 (Class A) - CISPR22 Class A (RFI)	FCC Part 15 (Class A) - CISPR22 Class A (RFI)	FCC Part 15 (Class A) - CISPR22 Class A (RFI)	FCC Part 15 (Class A) - CISPR22 Class A (RFI)	FCC Part 15 (Class A) - CISPR22 Class A (RFI)	FCC Part 15 (Class A) - CISPR22 Class A (RFI)
Environmental	WEEE and ROHS2 REACH					

### Warranty

	Std. 3 year; Opt. 2 year					
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GXT5 UPS + RDU101 Network Communication card bundles available — Add an "N" to the end of the model number. Available through select distributors.

### 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™ ACS Console

Enables integrated remote monitoring, out-of-band management, and IoT connectivity

### 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™ Liebert® GXT5

Helps protect mission-critical equipment from all power disturbances due to blackouts, brownouts, sags, surges or noise interference

## Accessories

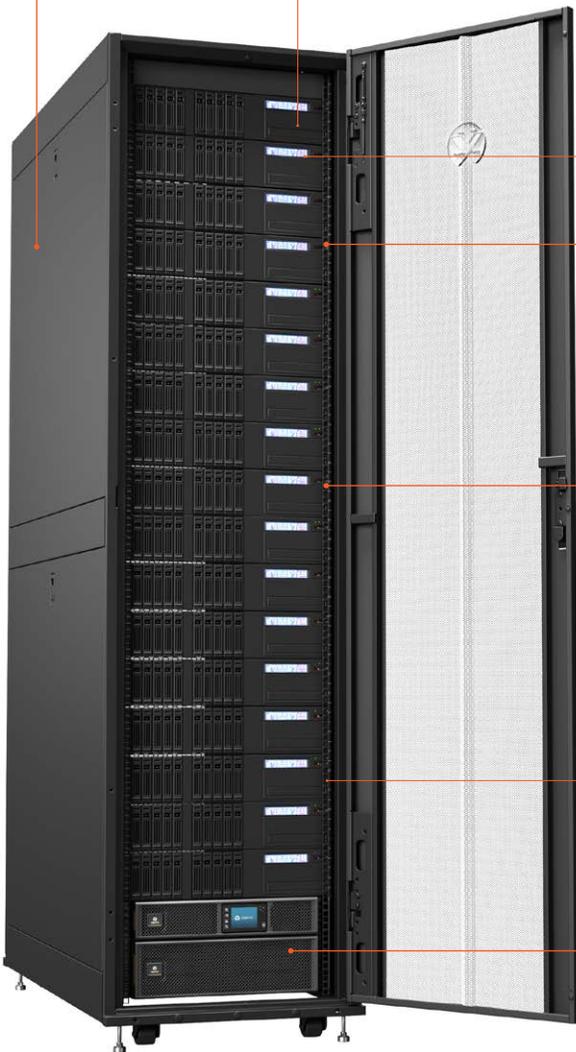
**Racks and enclosures:** Support a wide variety of equipment with the Vertiv™ VR Rack including servers, storage, switches, routers, PDUs, UPS units, console port servers, and KVM switches.

**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.



## Available Accessories for the Vertiv™ Liebert® GXT5 UPS



### External battery cabinets and replacement battery kits

UPS	External battery cabinets	Replacement battery kits
GXT5-500LVRT2UXL	GXT5-EBC36VRT2U	GXT5-9A36BATKIT
GXT5-750LVRT2UXL	GXT5-EBC36VRT2U	GXT5-9A36BATKIT
GXT5-1000LVRT2UXL	GXT5-EBC36VRT2U	GXT5-9A36BATKIT
GXT5-1500LVRT2UXL	GXT5-EBC48VRT2U	GXT5-9A48BATKIT
GXT5-2000LVRT2UXL	GXT5-EBC48VRT2U	GXT5-9A48BATKIT
GXT5-3000LVRT2UXL	GXT5-EBC72VRT2U	GXT5-9A72BATKIT



### Network communications and environmental sensors

Network Communications	RDU101	Intellislot web card for SNMP and web management. Supports environmental sensors.
	IS-RELAY	Intellislot Interface Kit for Relay Contacts
Environmental Sensors	SN-Z01	Integrated cable with single temperature sensor
	SN-Z02	Integrated cable with three temperature sensors
	SN-Z03	Integrated cable with three temperature and one humidity sensors
	SN-T	Modular with single temperature sensor
	SN-TH	Modular with single temperature and single humidity sensor
	SN-2D	Modular with two door contact inputs
	SN-3C	Modular with three dry contact inputs
	SN-L20	Modular leak zone sensor with 20 foot cable (Liebert RDU-S only)
UPS manageability options	Trellis™ Power Insight Software Management	Trellis™ Power Insight is a complimentary web-based software designed to monitor up to 100 Vertiv™ UPSs and rPDUs



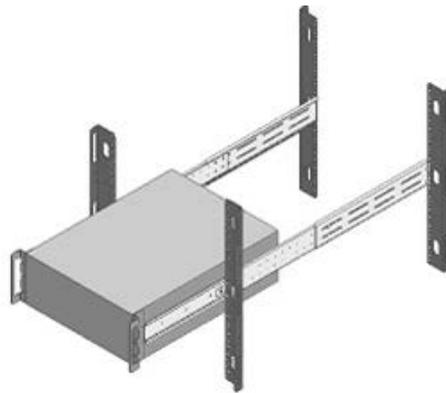
### MicroPOD - Maintenance bypass and output distribution

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 POD's can be installed on the floor or mounted to a Liebert GXT5 UPS using the included mounting brackets.

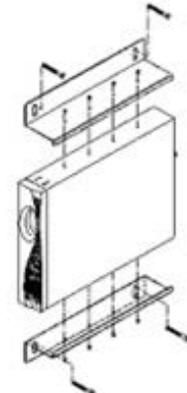
UPS VA rating	POD model number	Plug to utility	Output receptacles
500-1500VA UPS	MP2-115HW	Hard Wired	Hardwired
	MP2-115A	8 x 5-15R	5-15P
2000VA UPS	MP2-120HW	Hard Wired	Hardwired
	MP2-120C	8 x 5-15/20R	5-20P
	MP2-120E	4 x 5-15/20R; 1 x L5-20R	5-20P
3000VA UPS	MP2-130HW	Hard Wired	Hardwired
	MP2-130C	8 x 5-15/20R	L5-30P
	MP2-130E	2 x 5-15/20R; 1 x L5-30R; 4 x 5-15/20R	L5-30P
	MP2-130P	4 x 5-15R; 2 x L5-20R	L5-30P



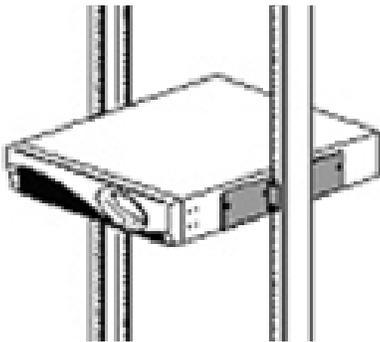
2POSTRMKIT



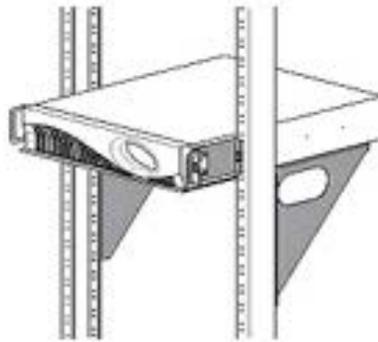
Rack Slide Kits for all Liebert GXT5 Rack Tower Models (RMKIT 18-32)



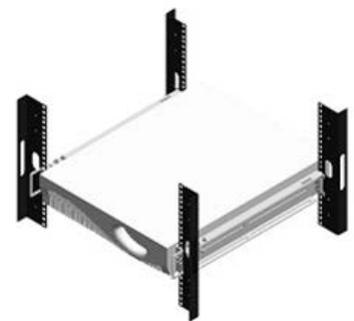
Wall Mount Bracket Kit for GXT5 500VA – 3000VA models



2UTELECOMRKIT



Rack Shelves for 2U GXT5 (500VA – 3000VA)



Standard Kit included inside the UPS box 201193G1L

## Installation Kit

Model Number	Description
2POSTRMKIT	Four pieces, two-post telecom rack kit
RMKIT18-32	All GXT5 500 thru 3000VA models (racks with 18" - 32" deep support rails)
201193G1L	Fixed rail kit for 19" wide racks, adjustable from 17.5" to 32.5" depth
WMBKT2U	Wall mount bracket holds (1) GXT5 2U product, steel painted black
WMBKT2U-SS	Wall mount bracket holds (1) GXT5 2U product, stainless steel
2UTELECOMRKIT	Center mount brackets for 19" wide telecom/relay racks
RS500	Flush-mount shelf for 19" wide telecom/relay racks
RS600	Center-mount shelf for 19" wide telecom/relay racks
RS700	Flush-mount shelf for 23" wide telecom/relay racks
RS800	Center-mount shelf for 23" wide telecom/relay racks

## Liebert® GXT5 UPS Services: Start-up Service, Power Assurance Package

### Startup Service Only

	Basic	With Removal
Equipment Model / Type	Part Number	Part Number
Liebert GXT5 UP TO 3 KVA	SUGXT-1K3K	SUGXT-1K3KRMV
External Battery Cabinet (36V or 48V or 72V)	SUGXT-EXTBTCB	SUGXT-EXTBTCBRMV

### 5-Year On-site Service Support Coverage

Power Assurance Package	Basic	With LIFE™	With Removal	With LIFE and Removal
Equipment Model / Type	Part Number	Part Number	Part Number	Part Number
Liebert GXT5 UP TO 3 KVA	PAPGXT-1K3K	PAPGXT-1K3KLF	PAPGXT-1K3KRMV	PAPGXT-1K3KRLF
External Battery Cabinet (36V or 48V or 72V)	PAPGXT-BATT	PAPGXT-	N/A	N/A

Power Emergency Package	Basic	With LIFE
Equipment Model / Type	Part Number	Part Number
Liebert GXT5 UP TO 1 KVA	PEPGXT-1K5YR	PEPGXT-1KLF
Liebert GXT5 1.5 kVA	PEPGXT-15005YR	PEPGXT-1500LF
Liebert GXT5 2.0 kVA	PEPGXT-20005YR	PEPGXT-2000LF
Liebert GXT5 3.0 kVA	PEPGXT-30005YR	PEPGXT-3000LF
External Battery Cabinet 36V	PEPGXT-36VBAT5YR	N/A
External Battery Cabinet 48V	PEPGXT-48VBAT5YR	N/A
External Battery Cabinet 72V	PEPGXT-72VBAT5YR	N/A

### Startup Service

- Installation includes mounting and start-up of new UPS and internal batteries or EBC (excludes hard-wired applications)
- Services performed by Vertiv factory-trained technicians
- Services performed 24x7, excluding national holidays within the 48 contiguous states and Hawaii
- Removal and disposal of existing UPS equipment, if selected

### 5-Year On-site Service Support Coverage - Scope

#### Power Assurance Package

##### Includes all Startup Service support plus:

- 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

##### Power Assurance Package with LIFE Services includes above plus:

- Continuous Monitoring, Expert Analysis, and Proactive Response

Note: LIFE Services requires web card purchased separately

#### Power Emergency Package

Includes all Power Assurance Package but WITHOUT Startup/installation services

Power Emergency Package with LIFE Services includes above plus:

- Continuous Monitoring, Expert Analysis, and Proactive Response

Note: LIFE Services requires web card purchased separately

Please refer to the [Scopes of Work](#) for full and additional details

### 500-1500VA – 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



#### 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

### 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



#### Communications

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

#### NEMA L5-20P input with over current protection

Includes NEMA 5-20 Adapter Cable for non-locking receptacles

### 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 L5-30P input with over current protection

Simple installation and power on with connected input cord



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