Vertiv™ Liebert® GXT5 Lithium-Ion UPS

5000 - 10,000VA 120V/208V
Rack/Tower

Online Double-Conversion UPS
Offers the Highest Level of
Power Protection

LIB
Lithium-ion
Batteries

Eligible
for Trade-In
Program

5-YEAR
ADVANCED
REPLACEMENT
WARRANTY
VERTIV

EPP
Equipment
Protection Plan

RoHS
2002/95/EC

energy
ENERGY STAR

vmware® PARTNER
STANDARD
TECHNOLOGY
ALLIANCE

The Vertiv™ Liebert® GXT5 Lithium-Ion UPS provides the highest level of power protection for your business critical IT applications.

High Performance Online Power Protection

The Liebert® GXT5 Lithium-Ion double conversion online UPS provides both the highest level of power conditioning and battery backup for business critical IT equipment such as business network gear and servers ensuring your mission-critical applications are protected in the event of an unanticipated loss of power or an unprecedented power surge.
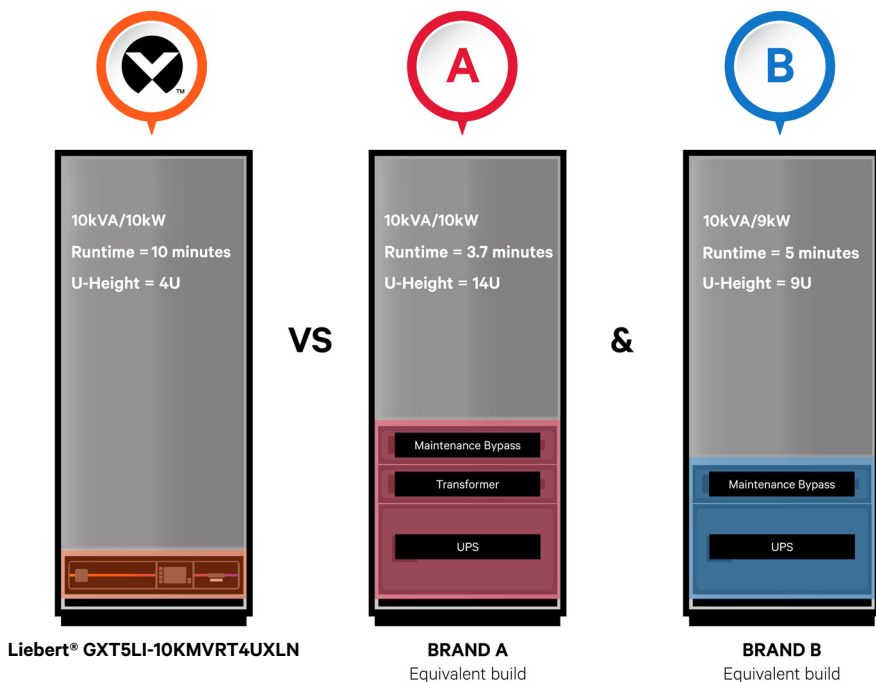
The Liebert® GXT5 Lithium-Ion UPS protects against the widest range of power fluctuations and automatically switches to battery backup when power loss is detected. With a 1.0 power factor (PF) and no transfer time to operation on battery, you can ensure your most critical assets are protected.

Protects Against

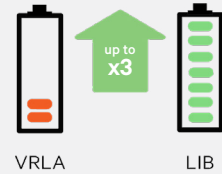| Outages	Sags	Surges	Spikes	Translent	Under-Voltage	Over-Voltage
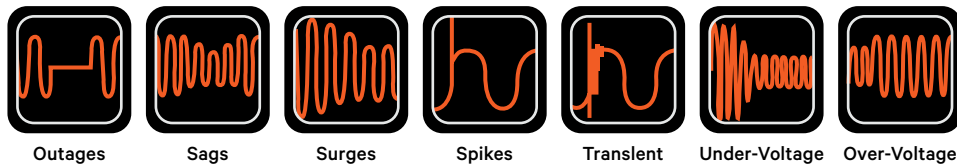
The rack/tower convertible design of the Liebert GXT5 Lithium-Ion UPS makes it ideal for edge or distributed IT applications where floor space is at a premium. It is a true low-maintenance, set-it and forget-it solution ideal for remote locations with limited onsite technical resources.

Supreme Power Density

Liebert® GXT5LI-10KMVRT4UXLN
10kVA/10kW
Runtime = 10 minutes
U-Height = 4U

VS

BRAND A
Equivalent build
10kVA/10kW
Runtime = 3.7 minutes
U-Height = 14U
Maintenance Bypass
Transformer
UPS

&

BRAND B
Equivalent build
10kVA/9kW
Runtime = 5 minutes
U-Height = 9U
Maintenance Bypass
UPS

Why should you choose Lithium-Ion Technology?

Longer Life
up to x3
VRLA   LIB

Lowest TCO

Small and Lighter
LIB   VRLA
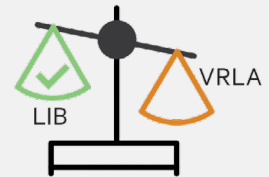
Longer Runtime

Environmentally Friendly

Fast Battery Recharge

5-Year Warranty
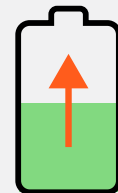
Lithium-Ion technology delivers up to 3 times the life expectancy of lead-acid batteries and lowers the total cost of ownership by nearly half.

Lithium-Ion Outperforms VRLA when compared...

Battery Feature	VRLA Battery	Lithium-Ion Battery	Lithium-Ion Benefit
Standard battery life	3-5 years	8-10 years	Up to 3 times longer life
Typical cycle life	200-260	2000	Up to 10x more discharge/recharge cycles
Battery recharge time (@ 90%)	3-6 hours	<2 hours	Fast recovery time safeguards your critical IT equipment in the event of multiple outages
Battery weight	35 kg	22 kg	45% lighter making it ideal for small spaces and wall-mount racks
Warranty	2 or 3 years	5 years	Worry free operation so you can set-it and forget-it

Build Your Total Infrastructure Solution with Vertiv

Discover expert designed IT infrastructure solutions with proven success in diverse environments and countless applications.

Rack PDUs

IT Management and Monitoring

Lifecycle Service

Liebert®
- Cooling
- Racks
- UPS

Avocent®
- Device Management
- KVMs
- Serial Console

Geist™
- Rack Air Distribution
- Rack PDUs and RTS
- Monitoring

Lithium-Ion UPS

Thermal Management

Racks

Visit Vertiv.com or contact a Vertiv Sales Representative today to find out how Vertiv can help you configure an all-in-one infrastructure solution.

How You Benefit from the Vertiv™ Liebert® GXT5 UPS

High Performance

1.0 Output Power Factor (PF): Provides more useable power enabling you to connect more equipment saving you money and space.

Increased Runtime: included external lithium-ion battery pack offers up to 12 minutes of runtime at full load.

Extended Runtime: add up to a total of (8) 1U EBCs (or 8 EBC pairs for the 8/10KVA models) for a maximum runtime up to 100 minutes at full load, or 200 minutes at half-load.

Scalable Runtime: Hardwired Output (6000-10,000VA Models)

Advanced Warning Status: Receive early audible and visual alarms warning you of system status to alert you to an input voltage, output overload, low battery, or battery replacement condition.

Wide Input Voltage Range: Prolong battery life by allowing the UPS to maximize the use of the utility power before transferring to battery.

High Efficiency: we operate up to 94% in normal (online) operating mode.

Superior Battery Technology

Lithium-ion Batteries

Fewer Battery Replacements: Lithium-Ion batteries require fewer battery replacements and last on average up to 3 times as long as traditional VRLA batteries reducing maintenance, labor, and replacement costs (lower TCO).

More Discharge Cycles: Lithium-Ion batteries deliver up to 10 times more charge / discharge cycles than VRLA batteries.

Fast Recharge: Lithium-Ion batteries recharge twice as fast as traditional VRLA batteries getting you back to 90% in as little as 2 hours.

Hot-Swappable, User-Replaceable Batteries: Increase product life and reliability with batteries that can be easily replaced without disrupting power to connected equipment.

Safe and Reliable: Safest Lithium-Ion (LiFePO4) battery chemistry and integrated battery management system (BMS) ensure safe and reliable operation.

Environmentally Friendly: Significantly reduce battery disposal and recycling with lower replacement rates.

Enhanced Manageability

COLOR LCD

LCD Display: User-friendly full-color LCD interface with gravity sensing orientation simplified installation and configuration while also providing instant at-a-glance status and insights.

Remote Management:

- Vertiv™ Power Insight – Liebert® RDU101 card included for web/SNMP manageability
- Vertiv™ Power Assist – Monitor UPS conditions through a local USB connection
- Vertiv™ Intelligence Director – Together with Vertiv™ Geist™ rPDU one single IP Address to monitor and manage up to 50 devices

Remote Emergency Power Off: Remotely shutdown the UPS during an emergency.

Integrated Maintenance Bypass and Power Distribution

Each Liebert® GXT5 Lithium-Ion UPS (5-10kVA models only) includes a Zero-U maintenance bypass with integral power distribution. This enables UPS service or removal without disrupting power to the connected equipment.

High power factor (1.0)

More usable power enables more connected loads saving space and costs.

Efficiency (up to 94%) 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.

Factory Installed Network Card

RDU101 SNMP/Web card enables Remote Management

Integrated Maintenance Bypass Cabinet (MBC)

Facilitates UPS maintenance or replacement, if needed, without having to shutdown the connected equipment.

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 five-year advanced exchange warranty.

Supreme Power Density

Space-saving UPS and optional 1U external battery packs let you optimize rack space and battery runtime.

New Rack PDU Options

The all new Vertiv™ Liebert® Rack PDU and Vertiv™ Liebert® Rack PDU Extenders are specifically designed for integration between the Liebert® GXT5 Lithium-Ion UPS and power distribution in the rack or to adjacent racks.

UPS VA rating	POD model number	Input	Output Receptacles
5000VA UPS	VP0N3202	L14-30P	(8) NEMA 5-20R, (2) NEMA L6-30R
	VP0N6200	Hardwired	(6) NEMA L14-30R
6000VA To 10,000VA UPS	VP0N6202	Hardwired	(4) NEMA L14-30R, (2) NEMA L6-30R
	VP4N6003	Hardwired	(18) C13/C19 Combo Outlets, (12) NEMA 5-20R, (3) NEMA L14-30R

5000VA – 120V/208V MV Rack/Tower

(2) L14-30R Output

Maintenance Bypass

External Bypass for service with inegrated power distribution

Communications

IntelliSlot™ (Web/SNMP Card), Serial Port, Dry Contacts, USB Port for Local and Remote Configuration and UPS Management

L14-30P Input

External Battery Connector

Scalable runtime solution supported for extended outage protection (up to 8 External Battery Cabinets)

6000VA – 120V/208V MV Rack/Tower

Hardwired Output

Hardwire UPS Output to rPDU Extender or PDU

Communications

IntelliSlot™ (Web/SNMP Card), Serial Port, Dry Contacts, USB Port for Local and Remote Configuration and UPS Management

External Battery Connector

Scalable runtime solution supported for extended outage protection (up to 8 External Battery Cabinets)

Maintenance Bypass

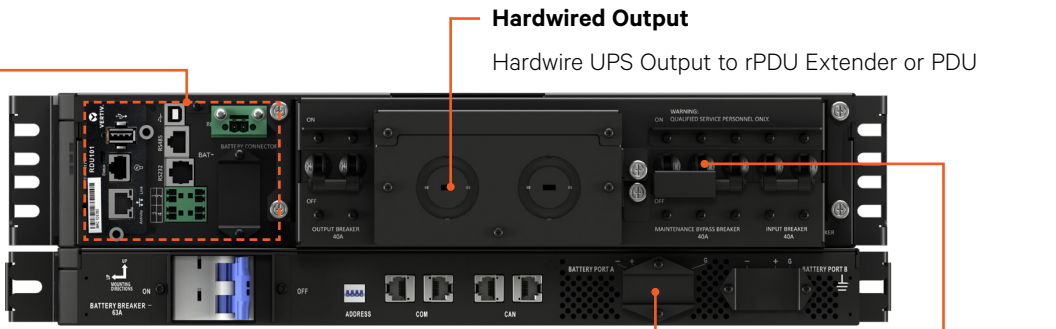External Bypass for service with inegrated power distribution

8000VA - 10,000 VA – 120V/208V MV Rack/Tower

Hardwired Output

Hardwire UPS Output to rPDU Extender or PDU

Communications

IntelliSlot™ (Web/SNMP Card), Serial Port, Dry Contacts, USB Port for Local and Remote Configuration and UPS Management

External Battery Connector

Scalable runtime solution supported for extended outage protection (up to 8 External Battery Cabinets)
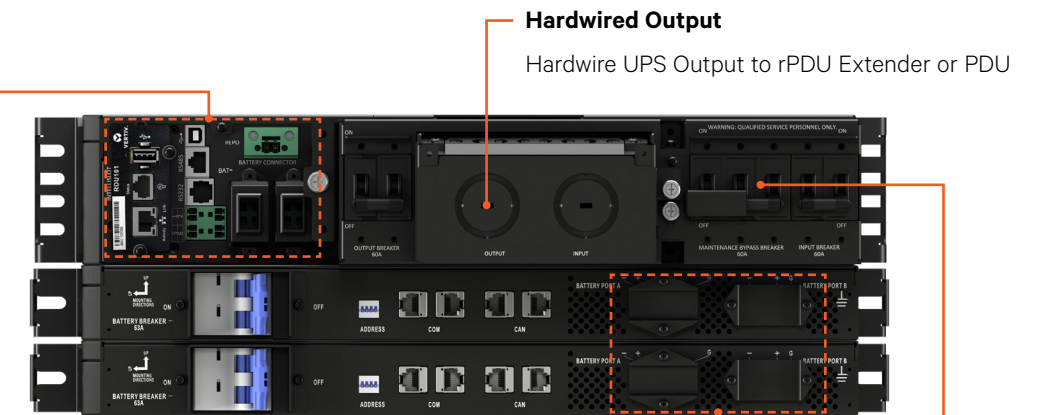
Maintenance Bypass

External Bypass for service with inegrated power distribution

Technical Specifications 5-10 kVA

Standard Models	Liebert® GXT5LI-5000MVRT3UXLN	Liebert® GXT5LI-6000MVRT3UXLN	Liebert® GXT5LI-8000MVRT4UXLN	Liebert® GXT5LI-10KMVRT4UXLN
Form Factor	3U Rack/Tower		4U Rack/Tower	
Power Rating	5000 VA / 5000 W	6000 VA / 6000 W	8000 VA / 8000 W	10,000 VA / 10,000 W

Dimensions, W x D x H, in (mm)

Unit	16.9 x 30 x 3.3 (2U) (430 x 865 x 85)	16.9 x 35.4 x 3.3 (2U) (430 x 900 x 85)	16.9 x 36.6 x 3.3 (2U) (430 x 930 x 85)	
Shipping	31.4 x 39.3 x 20.9 (798 x 900 x 532)		31.4 x 39.3 x 29.1 (798 x 900 x 739)	

Weight, Lb (Kg)

Unit with EBCs	104.9 (47.6)	100 (45.4)	156.3 (70.9)	
Unit without EBCs	56.4 (25.6)	51.5 (23.4)	59.3 (26.9)	
Shipping	176.3 (80)	158.7 (72)	247.7 (112.4)	

Input/Output AC Parameters

Input Plug	NEMA L14-30P 3m (10ft) Attached	Hardwired (L1-L2-N-G)	Hardwired (L1-L2-N-G)	Hardwired (L1-L2-N-G)
Output	(2) NEMA L14-30R	Hardwired (L1-L2-N-G)	Hardwired (L1-L2-N-G)	Hardwired (L1-L2-N-G)
Nominal Voltage Setting	208VAC / 120VAC (Default); 240VAC / 120VAC (User-Configurable); ±1%			
Voltage Range Without Battery Operation	Nominal (Full Load): 90V - 150V AC (L-N); Maximum: 60 - 150VAC (L-N)			
Frequency Range	40~70Hz			
Surge Protection	ANSI C62.41, Category B			
Transfer Time	0 ms			
Battery Waveform	Pure Sine Wave			

Battery Parameters

Type	Lithium-Ion (LiFePO4)			
Recharge Time (from full discharge)	< 2hrs to 90%	< 2hrs to 90%	< 2hrs to 90%	< 2hrs to 90%
Full-Load Runtime	12 min	10 min	13 min	10 min
Full-Load Runtime	25 min	21 min	27 min	21 min
Replacement Battery	N/A, external battery only	N/A, external battery only	N/A, external battery only	N/A, external battery only
External Battery Cabinet (quantity)	VEBCLI-192VRT1U			

Environmental Requirements

Operating Temperature,°F (°C)	32°F to 104°F (0°C to 40°C) (10% Derating at 50°C)			
Storage Temperature °F (°C)	-4° to 140° (-20° to 60°)			
Relative Humidity	0% – 95%, non-condensing			
Operating Altitude, ft (m)	0 to 10,000 (0 to 3,000) w/o Derating. (15% Derating at 4000m)			
Audible Noise	< 58 dB			

Certifications

Safety	UL 1642 (Li-Ion Battery Cells), UL 1973 (Li-Ion Battery Pack w/UPS), UL 1778, CSA 22.2 No. 107.3
Agency	UL 1778, c-UL, NOM, FCC Part 15, Class A
Environmental	RoHS2 / REACH / WEEE
Network Surge	IEC 61000-4-5, ANSI C62.41, Category B
Transportation	ISTA Procedure 2A
Warranty	5 years on UPS and Battery

Protection Plan

Equipment Protection Plan	Up To $500,000 (For Covered Equipment)

Optional Accessories

External battery cabinets and replacement battery kits

UPS	External Battery Cabinet (quantity)
GXT5LI-5000MVRT3UXLN	VEBCLI-192VRT1U (1)
GXT5LI-6000MVRT3UXLN	VEBCLI-192VRT1U (1)
GXT5LI-8000MVRT4UXLN	VEBCLI-192VRT1U (2)
GXT5LI-10KMVRT4UXLN	VEBCLI-192VRT1U (2)

*EBCs are hot-swappable, user-replaceble to allow for the full EBC to be replaced, as needed.
 Up to 8 EBCs can be used per UPS.

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 (Compatible with optional Liebert® network card RDU 101)	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	Vertiv™ Power Insight Software Management	Vertiv™ Power Insight is a complimentary web-based software designed to monitor up to 100 Vertiv™ UPSs and Vertiv™ rPDUs

New Rack Power Distribution Options

| UPS VA rating	rPDU model number	Input	Output Receptacles
5000VA UPS	VP0N3202	L14-30P (10 ft Cord)	(8) NEMA 5-20R, (2) NEMA L6-30R
6000VA To 10,000VA UPS	VP0N6200	Hardwired (L1-L2-N-G)	(6) NEMA L14-30R
	VP0N6202	Hardwired (L1-L2-N-G)	(4) NEMA L14-30R, (2) NEMA L6-30R
	VP4N6003	Hardwired (L1-L2-N-G)	(18) C13/C19 Combo Outlets, (12) NEMA 5-20R, (3) NEMA L14-30R

See the Vertiv Geist PDU Selector for additional PDU options.

For Engineered-to-order units allowing further customization, including colored chassis options, varying power and receptacle configurations, please contact your Vertiv sales team for more information.
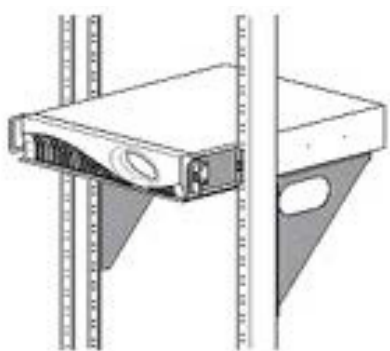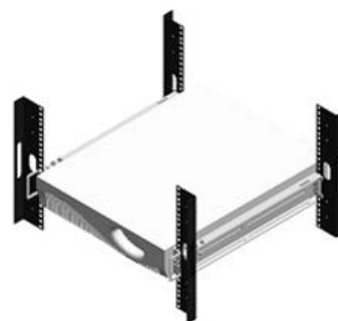
2POSTRMKIT
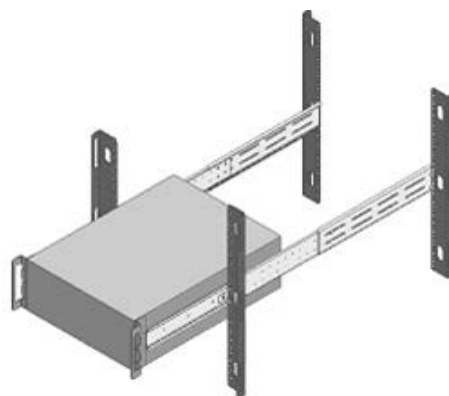
*Rack Slide Kits for all Liebert® GXT5
Rack Tower Models (RMKIT 18-32)*

*Rack Shelves - Center mount shown
RS600 / RS800*

*Standard 4-Post Rail Kit
(included in the UPS box) 201193G1L*

Mounting Kit Options

Application	Model Supported	Style	Model	Description
2 Post Rack	Liebert® GXT5 UPS Family (500VA to 10kVA)	Shelf	RS500	Flush-mount shelf for 19" rack wide
		Shelf	RS600	Center-mount shelf for 19" rack wide
		Shelf	RS700	Flush-mount shelf for 23" rack wide
		Shelf	RS800	Center-mount shelf for 23" rack wide
	Liebert® GXT5 2U UPS (or 2U Section/Module)	Bracket	2POSTRMKIT	Front flush/ center-mount bracket - 4-piece design
4 Post Rack	Liebert® GXT5 UPS Family (500VA to 10kVA)	Bracket	RMKIT18-32	Cabinet/racks with 18" - 32" deep support rails - Telescopic rail

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

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 includes POD (power output distribution), web card, and battery defects

- **24x7 access** to customer resolution center and online access to Customer Services Network

Key benefits:

- Frees up IT staff from maintaining and servicing UPS equipment, 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

LIFE™ Remote Diagnostic Services for Rapid Response
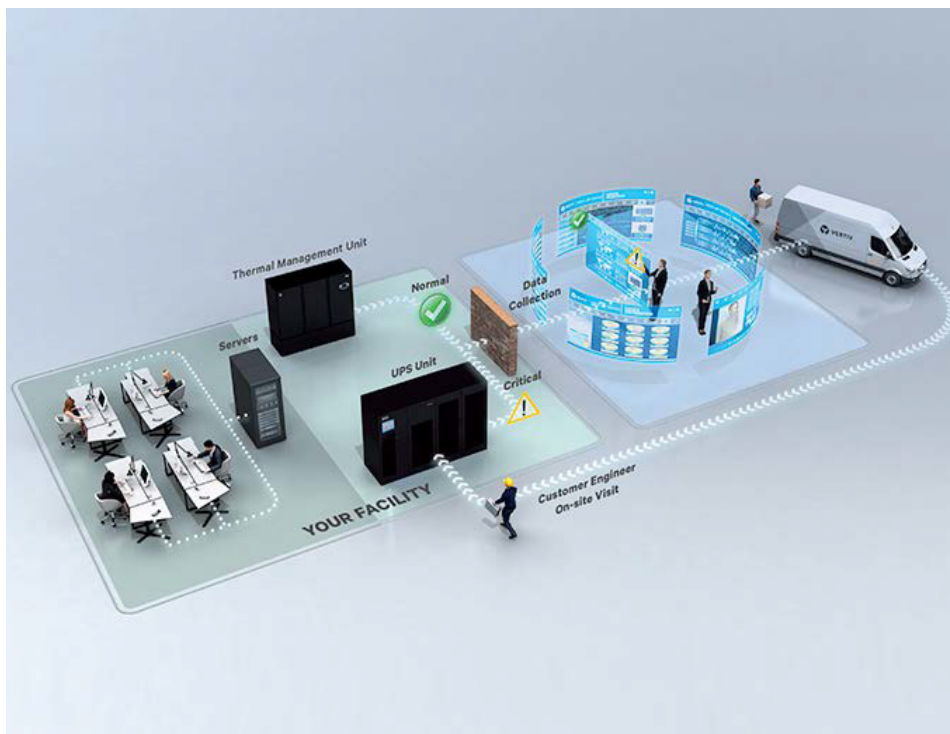
Refer to page 11 for service SKUs

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

Liebert® GXT5 Lithium-Ion UPS - Power Assurance Services

Power Assurance Package

Bundled Start-up Service AND 5-Year On-site Emergency Response	Standard	With LIFE™ Services	With Removal	With LIFE™ and Removal
Equipment Model / Type	Part Number	Part Number	Part Number	Part Number
Liebert® GXT5 LI 5KVA TO 6KVA	PAPGXTLI-5K6K	PAPGXTLI-5K6KLF	PAPGXTLI-5K6KRMV	PAPGXTLI-5K6KRLF
Liebert® GXT5 LI 8KVA TO 10KVA	PAPGXTLI-8-10K	PAPGXTLI-8-10KLF	PAPGXTLI-8-10KRMV	PAPGXTLI-8-10KRLF
External Battery Cabinets (192V)	PAPGXTLI-192VBATT	PAPGXTLI-192VBATT	PAPGXTLI-192VBATTRMV	PAPGXTLI-192VBATTRMV

Power Startup Services

Startup Service Only	Standard	With Removal
Equipment Model / Type	Part Number	Part Number
Liebert GXT5 LI 5KVA TO 6KVA	PAPGXTLI-5K6K	SUGXT-5K6KRMV
Liebert GXT5 LI 8KVA TO 10KVA	PAPGXTLI-8-10K	SUGXT-8K10KRMV
External Battery Cabinet (192V)	SUGXT-EXTBTCB	SUGXT-EXTBTCBRMV

Power Emergency Services

5-Year On-site Emergency Coverage - Only	Standard	With Removal
Equipment Model / Type	Part Number	Part Number
Liebert® GXT5 LI5-6KVA	PEPGXTLI-5K6K5YR	PEPGXTLI-5K6KLF
Liebert® GXT5 LI8-10KVA	PEPGXTLI-8K10K5YR	PEPGXTLI-8K10KLF
Lithium-Ion External Battery Cabinet 192V	PEPGXTLI-192VBAT5YR	PEPGXTLI-192VBAT5YR

Power Assurance Package - Summary

- Includes all below "Power Start-up Services" and "Power Emergency Services" support

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 POD, web card and battery defects
- 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, Alarm Notification, Expert Analysis, and Proactive Response

Note: LIFE Services requires an RDU101 card.
Please refer to the Scopes of Work for full and additional details.

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