

Vertiv[™] Liebert[®] GXT5 Lithium-Ion UPS

5,000 - 10,000VA, MV (120V/208V), GV (200V - 240V)

Online Double-Conversion, Rack/Tower Covertible UPS Offers the Highest Level of Power Protection



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



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



Why should you choose Lithium-Ion Technology?





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.



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.

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

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



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 Vertiv[™] 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.



New Rack PDU Options

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

New Rack Power Distribution options					
UPS VA rating	rPDU model number	Form-Factor	Input	Output Receptacles	
	VP0N3202	Horizontal	L14-30P (10 ft Cord)	(8) NEMA 5-20R, (2) NEMA L6-30R	
5000VA MV UPS	VP0N3242	Horizontal	L14-30P (10 ft Cord)	(4) L6-20R, (4) 5-15/20R Out	
6000VA To 10000VA MV UPS	VP0N6200	Horizontal	Hardwired (L1-L2-N-G)	(6) NEMA L14-30R	
	VP0N6202	Horizontal	Hardwired (L1-L2-N-G)	(4) NEMA L14-30R, (2) NEMA L6-30R	
	VP0N6222	Horizontal	Hardwired (L1-L2-N-G)	(2) L6-20R, (2) L6-30R, (4) 5-15/20R	
	VP0N6281	Horizontal	Hardwired (L1-L2-N-G)	(2) L6-30R, (8) 5-15/20R Out	
	VP4N6003	Vertical	Hardwired (L1-L2-N-G)	(18) C13/C19 Combo Outlets, (12) NEMA 5-20R, (3) NEMA L14-30R	
5000VA HV (5KL630) UPS	VP0N3223	Horizontal	L6-30P (10 ft Cord)	(4) NEMA L6-20R, (2) NEMA L6-30R	
	VP0N6263	Horizontal	Hardwired (L1-L2-G)	(6) NEMA L6-30R	
6000VA To 10000VA GV UPS	VP0N6242	Horizontal	Hardwired (L1-L2-G)	(4) NEMA L6-20R & (2) NEMA L6-30R	
	VP0G7200	Horizontal	Hardwired (L1-L2-G)	(8) U-Lock C-19 Out	
	VP4G7006	Vertical	Hardwired (L1-L2-G)	(4) C19, (36) C13/C19 Out	
	VP4N6013	Vertical	Hardwired (L1-L2-G)	(3) L6-30R, (36) C13/C19 Out	

5000VA - 120V/208V MV Rack/Tower

Communications -

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

(2) L14-30R Output Maintenance Bypass for service with integrated power distribution L14-30P Input

Hardwired Output

External Battery Connector

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

6000VA - 120V/208V MV Rack/Tower

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 integrated power distribution



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

Communications -

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



Hardwired Output

Hardwire UPS Output to rPDU Extender or PDU

External Battery Connector

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

Maintenance Bypass

External Bypass for service with integrated power distribution

5000VA – 208V L6-30P Input Rack/Tower



6000VA To 10000VA - 200V - 240V Rack/Tower

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)

- Hardwired Output

Hardwire UPS Output to rPDU Extender or PDU



Maintenance Bypass

External Bypass for service with integrated power distribution

Technical Specifications 5-10 kVA, MV

Standard Models	Liebert®	Liebert®	Liebert®	Liebert®		
	GXT5LI-5000MVRT3UXLN	GXT5LI-6000MVRT3UXLN	GXT5LI-8000MVRT4UXLN	GXT5LI-10KMVRT4UXLN		
Form Factor	3U Rad	3U Rack/Tower		k/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 35 x 5.25 (3U) (430 x 890 x 133)	16.9 x 35 x 5.25 (3U) (430 x 890 x 133)	16.9 x 35 x 5.25 (3L	J) (430 x 890 x 133)		
Shipping	31.4 x 39.3 x 20.9) (798 x 998 x 532)	31.4 x 39.3 x 29.1	(798 x 998 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 Param	leters					
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); 240VA	AC / 120VAC (User-Configurable); ±1%			
Voltage Range Without Battery Operation		Nominal (Full Load): 90V - 150V AG	C (L-N); Maximum: 60 - 150VAC (L-N)			
Frequency Range		40~	-70Hz			
Surge Protection		ANSI C62.4	1, Category B			
Transfer Time		0	l ms			
Battery Waveform		Pure S	ine Wave			
Battery Parameters						
Туре	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		
Half-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 (1)	VEBCLI-192VRT1U (1)	VEBCLI-192VRT1U (2)	VEBCLI-192VRT1U (2)		
Environmental Require	nents					
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%, n	on-condensing			
Operating Altitude, ft (m)		0 to 10,000 (0 to 3,000) w/o Derating. (15% Derating at 4000m)				
Audible Noise		< 5	58 dB			
Certifications						
Safety	UL 16	42 (Li-Ion Battery Cells), UL 1973 (Li-Ion	Battery Pack w/UPS), UL 1778, CSA 22.2 N	lo. 107.3		
Agency			1, FCC Part 15, Class A			
Environmental			EACH / WEEE			
Network Surge		IEC 61000-4-5, AN	SI C62.41, Category B			
Transportation			ocedure 2A			
	5 years on UPS and Battery					
Warranty		5 years on U	PS and Battery			
Warranty Protection Plan		5 years on U	PS and Battery			

*GXT5 Lithium-Ion 5kVA and 6kVA units come equipped with (1) EBC. GXT5 Lithium-Ion 8kVA and 10kVA MV units come equipped with (2) EBCs,

8



9

Technical Specifications 5-10 kVA, HV/GV

Standard Models	Liebert® GXT5LI-5KL630RT3UXLN	Liebert® GXT5LI-6000GVRT3UXLN	Liebert® GXT5LI-8000GVRT3UXLN	Liebert® GXT5LI-10KGVRT3UXLN		
Form Factor	3U Rack/Tower		3U Rack/Tower			
Maximum Power Rating	5000 VA / 4900 W	6000 VA / 6000 W	8000 VA / 8000 W	10,000 VA / 10,000 W		
Dimensions, W x D x H, ir	n (mm)					
Unit	16.9 x 35 x 5.25 (3U) (430 x 890 x 133)	16.9 x 35 x 5.25 (3U) (430 x 890 x 133)	16.9 x 35 x 5.25 (3U) (430 x 890 x 133)		
Shipping	31.4 × 39.3 × 20.9	(798 x 998 x 532)	31.4 × 39.3 × 20.9	(798 x 998 x 532)		
Weight, Lb (Kg)						
Unit with EBCs*	103 (47)	99 (45)	105	(48)		
Unit without EBCs	55 (25)	51 (23)	57 ((26)		
Shipping	163 (74)	159 (72)	165	(75)		
Input/Output AC Parame	ters					
Input Plug	L6-30P	Hardwired (L1-L2/N-G)	Hardwired (L1-L2/N-G)	Hardwired (L1-L2/N-G)		
Output	(2) L6-30R	Hardwired (L1-L2/N-G)	Hardwired (L1-L2/N-G)	Hardwired (L1-L2/N-G)		
Nominal Voltage Setting	208VAC (Default); 200-240VAC (User-Configurable); ±1%	230VA	C (Default); 200-240VAC (User-Configural	ble); ±1%		
Voltage Range Without Battery Operation		Nominal (Full Load): 176V - 28	8V AC; Maximum: 100 - 288VAC			
Frequency Range		40~	-70Hz			
Surge Protection		IEC 61000-4-5, AN	SI C62.41, Category B			
ransfer Time		0	ms			
Battery Waveform	Pure Sine Wave					
Battery Parameters						
Туре		Lithium-lo	on (LiFePO4)			
Recharge Time (from full discharge)	< 2hrs to 90%	< 2hrs to 90%	< 2hrs to 90%	< 2hrs to 90%		
Full-Load Runtime	11 min	9 min	5 min	4 min		
Half-Load Runtime	25 min	19 min	15 min	11 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 (1)	VEBCLI-192VRT1U (1)	VEBCLI-192VRT1U (1)	VEBCLI-192VRT1U (1)		
Invironmental Requirem	ents					
perating Temperature,°F (°C)		32°F to 104°F (0°C to 40	°C) (10% Derating at 50°C)			
torage 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		< 5	i8 dB			
Certifications						
Safety	IEC 62040-1:2008+A1 2013, I	EC 62619 1st Ed., UL 1642 (Li-Ion Battery	Cells), UL 1973 (Li-Ion Battery Pack w/UPS	S), UL 1778, CSA 22.2 No. 107.3		
gency	IEC 62040-1:2008+A1 2013, IEC	62619 1st Ed., IEC 62040-2 2nd Ed., IEC 6	61000-3-2, IEC 61000-3-12, CISPR22, Class	A, FCC Part 15, Class A, UL 1778		
Environmental		RoHS2 / RE	EACH / WEEE			
letwork Surge		IEC 61000-4-5, AN	SI C62.41, Category B			
Fransportation		ISTA Pro	ocedure 2A			
Warranty		5 years on U	PS and Battery			
Protection Plan						
		Up To \$500,000 (Fo				

Optional Accessories

External Battery Cabinets

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.

UPS	External Battery Cabinet (quantity)
GXT5LI-5000GVRT3UXLN	VEBCLI-192VRT1U (1)
GXT5LI-6000GVRT3UXLN	VEBCLI-192VRT1U (1)
GXT5LI-8000GVRT3UXLN	VEBCLI-192VRT1U (1)
GXT5LI-10KGVRT3UXLN	VEBCLI-192VRT1U (1)



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
	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
Environmental Sensors (Compatible with	SN-T	Modular with single temperature sensor
optional Liebert® network card RDU 101)	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





Rack Shelves - Center mount shown RS600 / RS800



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



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

Mounting Kit Options

Application	Model Supported	Style	Model	Description
	Liebert® GXT5 UPS Family	Shelf	RS500	Flush-mount shelf for 19" rack wide
		Shelf	RS600	Center-mount shelf for 19" rack wide
	(500VA to 10kVA)	Shelf	RS700	Flush-mount shelf for 23" rack wide
2 Post Rack		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
	Liebert GXT5 LI 2U UPS (or 2U Section/Module), or 1U Lithium-Ion EBC (VEBCLI-48/192RT1U)	Bracket	2POSTRMKIT1U	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

Vertiv[™] 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



Vertiv[™] 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	N/A	PAPGXTLI-192VBATTRMV	N/A
Power Startup Services				

Startup Service Only	Standard	With Removal
Equipment Model / Type	Part Number	Part Number
Liebert GXT5 LI 5KVA TO 6KVA	SUGXT-5-6U7	SUGXT-5-6U7RMV
Liebert GXT5 LI 8KVA TO 10KVA	SUGXT-8-10U7	SUGXT-8-10U7RMV
External Battery Cabinet (192V)	SUGXT-EXTBTCB	SUGXT-EXTBTCBRMV

Power Emergency Services

5-Year On-site Emergency Coverage - Only	Standard	With LIFE™ Services
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	N/A

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.



Vertiv.com | Vertiv Headquarters, 505 N Cleveland Ave, Westerville, OH 43082, USA

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