VERTIV.

Product brochure

Vertiv™ Liebert® GXT5 UPS

5 - 20 kVA 230V

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

Largest Rack Mount Capacity Available in an Intelligent, Efficient UPS for Protection of 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 Vertiv 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.

Now available in higher capacity ratings of 16 and 20 kVA the Vertiv Liebert GXT5 UPS allows for highly reliable single UPS installations minimizing required rack space and supporting more IT equipment loads.

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

The UPS system is easy to deploy and maintain due to its user-friendly LCD interface and remote management capabilities supported by the Vertiv™ Liebert® IntelliSlot™ RDU120 communications card which makes the Vertiv Liebert GXT5 compatible with Vertiv™ infrastructure management solutions such as Vertiv™ LIFE™ Services, environmental sensors, Vertiv™ Power Insight, and more.

What's in the box

- UPS (Including factory installed Network Card.) - Tower Stand and 4-Post Rack Fixed Rail Kit
- USB Cable
- Quick Start Guide
- Safety Manual
- Vertiv™ Power Insight management software (free download from Vertiv.com)

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

Vertiv™ Liebert® GXT5 Features

Leading UPS Technology

- High output power factor up to 1.0
- Full-color graphic LCD with gravity sensing orientation
- External battery cabinets with auto-detection
- Parallel or redundant operation capability (10kVA to 20kVA Models)
- Battery health status and replacement date prediction
- Remote management, update, and configuration capabilities
- Optimized thermal management and variable speed fan for peak efficiency and noise reduction
- 1-Phase or 3-Phase Utility Input (16kVA to 20kVA Models)
- Automatic Internal Bypass

Efficient and Green Product

- High efficiency in online mode
- Energy Star 2.0 certified
- Even higher efficiency (up to 98%) in Active ECO mode
- 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™ Liebert® IntelliSlot™ RDU120 network communications card with advanced features
- Compatibility with environmental sensors
- Integrated dry-contacts with selectable definition
- Free Vertiv™ Power Insight management software
- Serial port for out-of-band management with Vertiv™ Avocent® serial consoles
- Automatic internal bypass and external maintenance bypass options

Vertiv™ Liebert® GXT5 Features

High power factor (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.

Compact rack/ tower design

Space-saving UPS provides rack space optimization and flexible installation.

Parallel/redundant operation capability

For 10, 16 or 20 kVA models, configurations up to 2+1 redundancy support maximum availability and enables growth as load demand increases.

Colored graphic LCD with gravity sensitive orientation

User-friendly interface provides insight to UPS status for easy installation, configuration and operation.

Integrated Battery

With self-test and detection capability.

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.

Product warranty

Comprehensive coverage through a standard three year warranty.

How You Benefit from the Vertiv™ Liebert® GXT5 UPS

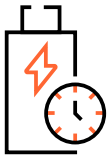
Designed for high availability

- Higher power factor (1.0) offers the connection of more loads and IT equipment
- Optional external tower/rack-mount maintenance bypass cabinet eliminates the need to power down connected equipment during system maintenance or replacement (16kVA to 20kVA Models)
- Integrated maintenance bypass POD eliminates the need to power down connected equipment during system maintenance or replacement (5kVA to 10kVA Models) Hot-swappable, user-replaceable battery modules minimize downtime
- Vertiv™ LIFE™ Services helps to enhance uptime, as well as operational efficiency with continuous remote monitoring, expert analysis, and proactive response
- Automatic programmable battery self-test

User-friendly installation and operation

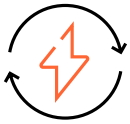
- Easy-to-read, gravity-sensing graphical color display
- Intuitive user interface for local configuration and management
- Support for the Vertiv suite of remote management tools (Vertiv™ Power Insight, Vertiv™ Liebert® IntelliSlot™ RDU120 network interface card, and serial connectivity support)
- Auto-detection of external battery cabinets enables faster deployment and accurate runtime information
- Remote UPS firmware upgrade capability offers the UPS has the latest features and enhancements

Longer service life and runtime of the batteries



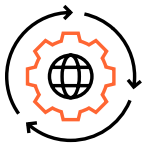
- Extended runtimes provided by the addition of external battery cabinets (up to 10)
- Improved battery care by temperature-compensated battery charging
- Intelligent battery health management offers a longer service life (optimized battery maintenance and replacement when needed)

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

Seamless connectivity



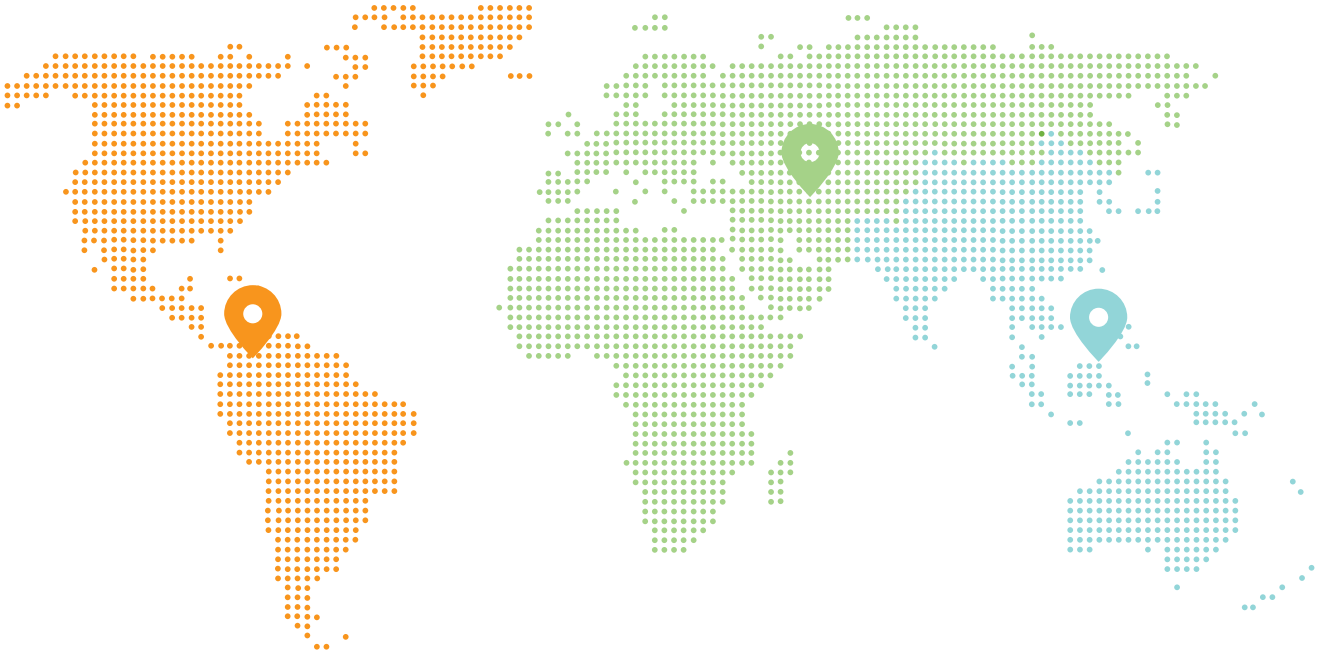
- Four onboard, user-definable dry contact I/O for integration of support management systems
- Supports SNMP, web, and environmental sensors with the optional Vertiv Liebert IntelliSlot RDU120 communications card
- Serial connection for integration of Vertiv™ Avocent® ACS product or direct serial management and control of the UPS

Our purpose

We believe there is a better way to meet the world's accelerating demand for data - one driven by passion and innovation.

Our presence

GLOBAL PRESENCE
Manuf. and Assembly Locations **24**
Service Centers **220+**
Service Field Engineers **3,500+**
Technical Support/Response **220+**
Customer Experience Centers/Labs **19**



AMERICAS
Manuf. and Assembly Locations **10**
Service Centers **80+**
Service Field Engineers **1,600+**
Technical Support/Response **90+**
Customer Experience Centers/Labs **5**

ASIA PACIFIC
Manuf. and Assembly Locations **5**
Service Centers **60+**
Service Field Engineers **970+**
Technical Support/Response **80+**
Customer Experience Centers/Labs **5**

EUROPE, MIDDLE EAST AND AFRICA
Manuf. and Assembly Locations **10**
Service Centers **65+**
Service Field Engineers **650+**
Technical Support/Response **100+**
Customer Experience Centers/Labs **5**

Technical Specifications 5-10 kVA

	Vertiv™ Liebert® GXT5-5000IRT5UXLN	Vertiv™ Liebert® GXT5-6000IRT5UXLN	Vertiv™ Liebert® GXT5-8000IRT5UXLN	Vertiv™ Liebert® GXT5-10KIRT5UXLN
Ratings (VA/W)	5000 VA / 5000 W	6000 VA / 6000 W	8000 VA / 8000 W	10,000 VA / 10,000 W
Dimensions, mm (inches)				
Unit W x D X H	430×630×217 (16.9×24.8×8.5)	430×630×217 (16.9×24.8×8.5)	430×630×217 (16.9×24.8×8.5)	430×630×217 (16.9×24.8×8.5)
Weight, kg (pounds)				
Unit	70.8 (156)	70.8 (156)	74.5 (164.2)	74.5 (164.2)
Input AC Parameters				
Operating Frequency, Nominal	50 or 60Hz (Factory Default is 50)	50 or 60Hz (Factory Default is 50)	50 or 60Hz (Factory Default is 50)	50 or 60 Hz (factory-default is 50 Hz)
Voltage Range	230 VAC	230 VAC	230 VAC	230 VAC
Input Wiring	Hardwire	Hardwire	Hardwire (common or split bypass)	Hardwire (common or split bypass)
Output AC Parameters				
Output Receptacles	Hardwire 2 (C19), 6 (C13)	Hardwire 2 (C19), 6 (C13)	Hardwire 4 (C19), 4(C13)	Hardwire 4 (C19), 4(C13)
Factory-default VAC Frequency	230 VAC 50Hz or 60Hz, Nominal	230 VAC 50Hz or 60Hz, Nominal	230 VAC 50Hz or 60Hz, Nominal	230 VAC 50Hz or 60Hz, Nominal
Waveform (On Battery)	Sinewave	Sinewave	Sinewave	Sinewave
Utility (AC) Mode Overload	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous	>150% for Minimum 200mS; 125 - 150% for 60 seconds; 105-125% 5 Minutes; ≤105 % Continuous
Battery				
Type	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid
Backup Time (100% Load)	7 Minutes	5.5 Minutes	3.5 Minutes	2 Minutes
Backup Time (50% Load)	18.5 Minutes	14.5 Minutes	9.5 Minutes	7 Minutes
+1 External Battery Cabinet (100% Load)	19 Minutes	14.5 Minutes	9.5 Minutes	7 Minutes
+1 External Battery Cabinet (50% Load)	48 Minutes	38.5 Minutes	26 Minutes	19 Minutes
Environmental Requirements				
Operating Temperature, °C (°F)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)
Storage Temperature, °C (°F)	-15 to 50+ (5 to +122)	-15 to 50+ (5 to +122)	-15 to 50+ (5 to +122)	-15 to 50+ (5 to +122)
Relative Humidity	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing	0% to 95%, non-condensing
Operating Elevation	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating
Audible Noise	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides	<55 dBA, at 1 meter from the rear <50 dBA, at 1 meter from the front or sides
Agency				
Surge Immunity	IEC/EN EN61000-4-5, Level 3, Criteria A	IEC/EN EN61000-4-5, Level 3, Criteria A	IEC/EN EN61000-4-5, Level 3, Criteria A	IEC/EN EN61000-4-5, Level 3, Criteria A
Transportation	ISTA Procedure 1E	ISTA Procedure 1E	ISTA Procedure 1E	ISTA Procedure 1E
Safety	IEC62040-1:2008 version, GS mark	IEC62040-1:2008 version, GS mark	IEC62040-1:2008 version, GS mark	IEC62040-1:2008 version, GS mark
Emissions	IEC/EN/AS 62040-2 2nd Ed (Cat 2)	IEC/EN/AS 62040-2 2nd Ed (Cat 2)	IEC/EN/AS 62040-2 2nd Ed (Cat 2)	IEC/EN/AS 62040-2 2nd Ed (Cat 2)
Warranty				
	Standard 3-Year Warranty (Including the Battery)	Standard 3-Year Warranty (Including the Battery)	Standard 3-Year Warranty (Including the Battery)	Standard 3-Year Warranty (Including the Battery)

Technical Specifications 16-20 kVA

	Vertiv™ Liebert® GXT5-16KIRT9UXLN	Vertiv™ Liebert® GXT5-20KIRT9UXLN
Ratings (VA/W)	16000 VA/16000 W	20000 VA/20000 W
Dimensions, mm (inches)		
Unit W x D X H	430×630×394 (16.9×24.8×15.5)	430×630×394 (16.9×24.8×15.5)
Weight, kg (pounds)		
Unit	135.2 (298)	135.2 (298)
Input AC Parameters		
Operating Frequency, Nominal	50 or 60 Hz (factory-default is 50 Hz)	50 or 60 Hz (factory-default is 50 Hz)
Voltage Range	288 VAC	288 VAC
Input Wiring	Input terminal block	Input terminal block
Output AC Parameters		
Output Receptacles	Output terminal block	Output terminal block
Factory-default VAC Frequency	230 VAC, 50 Hz	230 VAC, 50 Hz
Waveform (On Battery)	Sinewave	Sinewave
Utility (AC) Mode Overload	> 150% minimum 200 ms	> 150% minimum 200 ms
Battery		
Type	Valve-regulated, non-spillable, lead acid	Valve-regulated, non-spillable, lead acid
Backup Time (100% Load)	3.5 Minutes	2.5 Minutes
Backup Time (50% Load)	9.5 Minutes	7 Minutes
+1 External Battery Cabinet (100% Load)	10 Minutes	7 Minutes
+1 External Battery Cabinet (50% Load)	26.5 Minutes	19.5 Minutes
Environmental Requirements		
Operating Temperature, °C (°F)	0 to 40 (+32 to +104) (no derating)	0 to 40 (+32 to +104) (no derating)
Storage Temperature, °C (°F)	-15 to 40 (+5 to +104)	-15 to 40 (+5 to +104)
Relative Humidity	0% to 95%, non-condensing	0% to 95%, non-condensing
Operating Elevation	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating	Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating
Audible Noise	<58 dBA, at 1 meter from the front	<58 dBA, at 1 meter from the front
Agency		
Surge Immunity	IEC/EN EN61000-4-5, Level 4, Criteria A; ANSI C62 41 Category B	IEC/EN EN61000-4-5, Level 4, Criteria A; ANSI C62 41 Category B
Transportation	ISTA Procedure 1E	ISTA Procedure 1E
Safety	UL1778, c-UL listed	UL1778, c-UL listed
Emissions	FCC Part 15 (Class A)	FCC Part 15 (Class A)
Warranty		
	Standard 3-Year Warranty (Including the Battery)	Standard 3-Year Warranty (Including the Battery)

Available Accessories for the Vertiv™ Liebert® GXT5 UPS

External battery cabinets and replacement battery kits

UPS	External battery cabinets	Replacement battery kits
GXT5-5000IRT5UXLN	GXT5-EBC192VRT3U	GXT5-192VBATKIT (x 1pcs)
GXT5-6000IRT5UXLN	GXT5-EBC192VRT3U	GXT5-192VBATKIT (x 1pcs)
GXT5-8000IRT5UXLN	GXT5-EBC192VRT3U	GXT5-192VBATKIT (x 1pcs)
GXT5-10KIRT5UXLN	GXT5-EBC192VRT3U	GXT5-192VBATKIT (x 1pcs)
GXT5-16KIRT9UXLN	GXT5-EBC384VRT6U	GXT5-384VBATKIT (x 1pcs)
GXT5-20KIRT9UXLN	GXT5-EBC384VRT6U	GXT5-384VBATKIT (x 1pcs)

Network Communication Cards and environmental sensors

Optional Intellislot cards are compatible with all Vertiv™ Liebert® PSI5 UPS systems

Network Communications	RDU120	Network Communication Card with 10/100/1000 Mbps Ethernet, web interface, MIB, configuration cable, and environmental sensor support, UL 2900 certified.
	IS-RELAY	Vertiv™ Liebert® IntelliSlot™ Interface Kit for Relay Contacts
Vertiv™ Liebert® RDU101 Card 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)
Vertiv™ Liebert® IntelliSlot™ RDU120 Card Environmental Sensors**	A2D-10	Analog to digital converter provides the ability to connect a dry contact, 0-10V, or 4-20mA sensor to a Plug-n-Play sensor port. Includes a 10ft / 3m cable.
	A2D-50	Analog to digital converter provides the ability to connect a dry contact, 0-10V, or 4-20mA sensor to a Plug-n-Play sensor port. Includes a 10ft / 3m cable.
	GT3HD	Temperature, humidity, and dew point sensor with dual inputs for included 3ft / .9m and 6ft / 1.8m temperature sensors for monitoring top, middle, and bottom of a rack or cabinet. Includes a supplementary input for daisy-chaining additional sensors. Includes 10ft / 3m cable.
	GT3HD-50	Temperature, humidity, and dew point sensor with dual inputs for included 3ft / .9m and 6ft / 1.8m temperature sensors for monitoring top, middle, and bottom of a rack or cabinet. Includes a supplementary input for daisy-chaining additional sensors. Includes 50ft / 15.2m cable.
	GTHD	Temperature, humidity, and dew point sensor. Includes a supplementary input for daisy-chaining additional sensors. Includes 10ft / 3m cable.
	GTHD-50	Temperature, humidity, and dew point sensor. Includes a supplementary input for daisy-chaining additional sensors. Includes 50ft / 15.2m cable.
	SRT-12	Temperature sensor used to monitor temperature in critical environments. Includes a 12ft / 3.6m cable.
	SRT-20	Temperature sensor used to monitor temperature in critical environments. Includes a 20ft / 6.1m cable.
	SRT-50	Temperature sensor used to monitor temperature in critical environments. Includes a 50ft / 15.2m cable.
	SRT-100	Temperature sensor used to monitor temperature in critical environments. Includes a 100ft /30.4m cable.
	RTAFHD3-12	Temperature, airflow, humidity, and dew point sensor. Includes 12ft / 3.6m cable.
	RTAFHD3-20	Temperature, airflow, humidity, and dew point sensor. Includes 20ft / 6.1m cable.
	RTAFHD3-50	Temperature, airflow, humidity, and dew point sensor. Includes 50ft / 15.2m cable.
	RTAFHD3-100	Temperature, airflow, humidity, and dew point sensor. Includes 100ft / 30.4m cable.
	FS-15	0-5VDC conductivity based flood sensor used to detect the presence of water. Includes a 15ft/ 4.5m cable.
	FS-100	0-5VDC conductivity based flood sensor used to detect the presence of water. Includes a 100ft / 30.4m cable
	RDPS	Magnetic normally-closed dry-contact sensor used to monitor remote door position. Includes 30ft / 9.1m cable.
	RDPS-50	Magnetic normally-closed dry-contact sensor used to monitor remote door position. Includes 50ft / 15.2m cable.
	RDPS-100	Magnetic normally-closed dry-contact sensor used to monitor remote door position. Includes 100ft / 30.4m cable.
	PFS-100 US	0-5V power failure sensor to monitor the presence of utility power. Includes a 100ft / 30.4m cable and US NEMA power supply

* Only compatible with Vertiv™ Liebert® IntelliSlot™ RDU101 Network Card
**Only compatible with Vertiv™ Liebert® IntelliSlot™ RDU120 Network Card

VMBC-20KIRT4U

Vertiv™ Maintenance Bypass Cabinet Option

Integrated lock out/tag out arm for maximum site and personnel safety

MBC Model Number	Dimensions	Input	Output	Compatible UPS
VMBC-20KIRT4U	430W x 550D x 173H (mm)	L-N-G	Hardwired / 3x IEC 309 32A & 12x IEC C13/C19 combo	GXT5-16KIRT9UXLN GXT5-16KIRT9UXLN

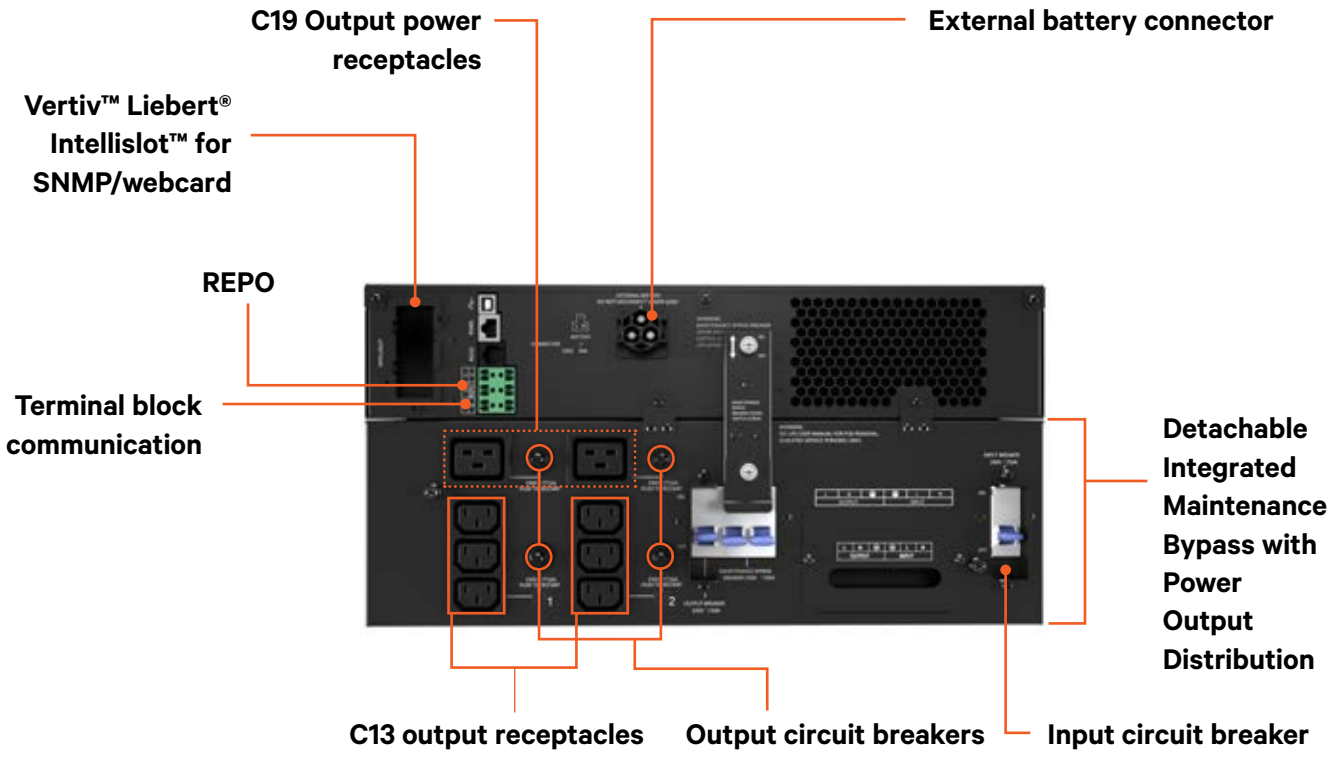
Power Output Distribution (POD) Options

Part Number	Description	Compatible UPS Models
PD2-200	(4) IEC320-C19, (4) IEC320-C13	GXT5-16KIRT9UXLN, GXT5-20KIRT9UXLN
PD2-201	(2) IEC320-C19, (8) IEC320-C13	GXT5-16KIRT9UXLN, GXT5-20KIRT9UXLN
PD2-202	(12) IEC320-C13	GXT5-16KIRT9UXLN, GXT5-20KIRT9UXLN
PD2-203	(4) IEC309 32A, (2) IEC320 C13, (4) IEC320 C19	GXT5-16KIRT9UXLN, GXT5-20KIRT9UXLN
PD2-204	(2) IEC309-32A, (3) IEC320-C13	GXT5-16KIRT9UXLN, GXT5-20KIRT9UXLN

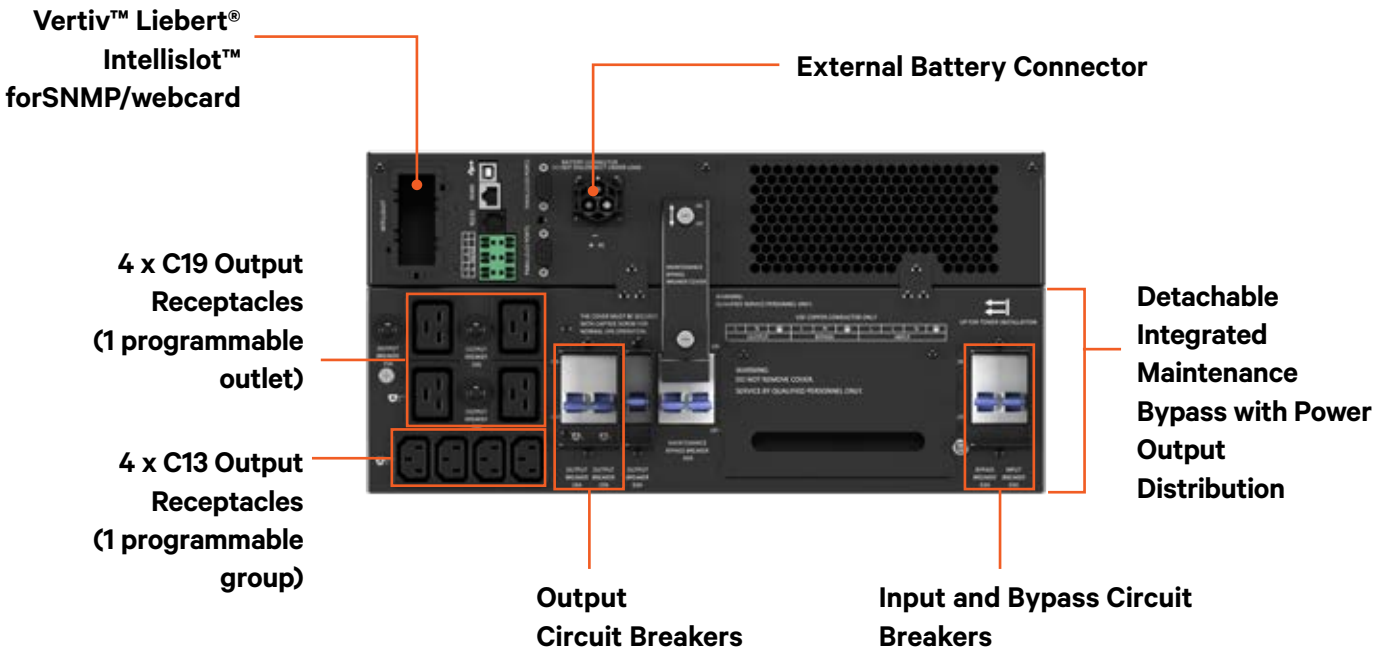
Vertiv™ UPS Software Benefits Ladder

Feature	Vertiv™ Power Assist	Vertiv™ Power Insight	Vertiv™ Environet™ Alert	Vertiv™ Environet™ Connect
Management				
Mass Device Provisioning				•
Mass Device Configuration				•
Mass Firmware Upgrade				•
Hypervisor Plugin		vCenter, vXRail, Nutanix		
Automated Server Shutdown	•	•		
Reporting				
Analytics and Reporting			•	•
Historical Data		•	•	•
Thresholds and Alerts		•	•	•
Alarm Management	•	•	•	•
Monitoring				
IT Device Monitoring				
Thermal Monitoring			•	•
Power Monitoring	UPS Only	UPS and Rack PDU	•	•
Specifications				
Protocol Support	USB/SNMP	SNMP	SNMP, Modbus TCP, BACnet IP	SNMP
Equipment Support	Vertiv Only	Vertiv Only	Multi-Vendor	Multi-Vendor
Max. Devices Support	2	100	Scalable	Scalable
Software Architecture	On-prem	On-prem	On-Prem	Multi-Tenant Cloud based
Licensing	Free	Free	Perpetual	Subscription

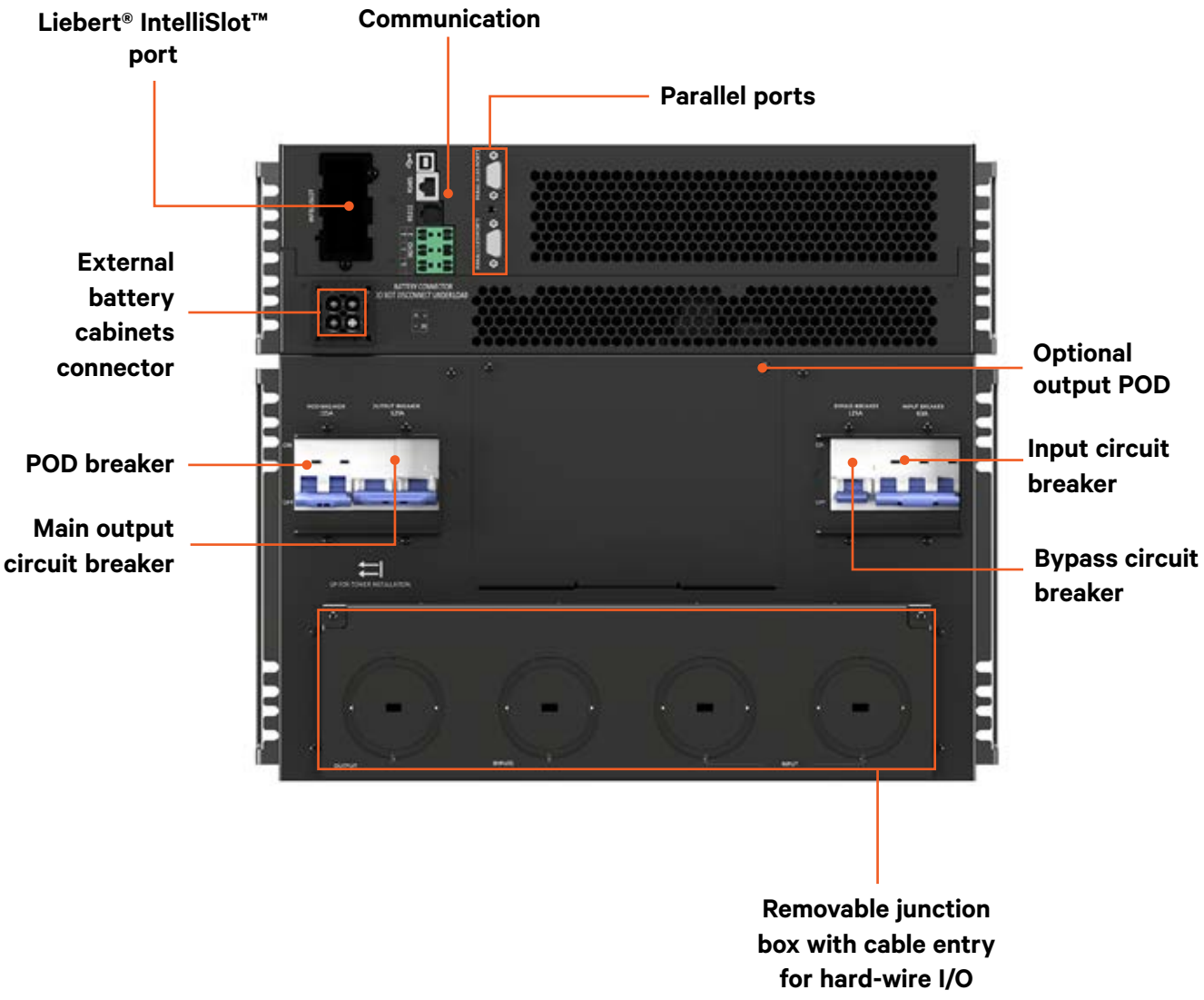
Vertiv™ Liebert® GXT5 Rear Panel (5-6 kVA)



Vertiv™ Liebert® GXT5 Rear Panel (8-10 kVA)



Vertiv™ Liebert® GXT5 Rear Panel (16-20 kVA)



External Battery Cabinets

Model number	GXT5-EBC192VRT3U	GXT5-EBC384VRT6U
UPS Model	**5 – 10-KVA MODELS**	**16 to 20 KVA MODELS**
Dimensions, D x W x H, mm		
Unit (with bezel)	430 x 630 x 130	430 x 630 x 261
Shipping	800 x 600 x 440	800 x 600 x 580
Weight, Kg		
Unit	576	112
Shipping	80	136
Battery Parameters		
Type	Valve-regulated, non-spillable, lead acid	
Quantity x Voltage	16 x 12 V	32 x 12 V
Battery	9Ah	

GXT5-EBC192VRT3U

GXT5-EBC384VRT6U

Vertiv™ Maintenance Bypass Cabinet Option

Integrated lock out/tag out arm for maximum site and personnel safety

MBC model number	Dimensions (W x D x H)	Input	Output	Compatible UPS
VMBC-20KIRT4U	430 x 549 x 173 (mm)	Hardwired (L-L-N-G)	3x L14-30R, Hardwired, PD2-205 POD included (12 x C13/C19 combi sockets)	GXT5-16KIRT9UXLN GXT5-20KIRT9UXLN

Battery Run Times

5kVA Models

No. of EBCs	Backup Time (Min)									
	5 kW	4.5 kW	4 kW	3.5 kW	3 kW	2.5 kW	2 kW	1.5 kW	1 kW	0.5 kW
UPS	7.0	8.0	9.5	11.5	14.5	18.5	25.0	36.5	59.0	120.0
UPS+ 1 EBC	19.0	22.0	26.0	31.0	38.5	48.0	62.5	85.0	129.0	272.5
UPS+ 2 EBC	33.5	38.5	45.0	53.0	63.5	78.0	99.0	133.0	211.0	427.5
UPS+ 3 EBC	49.0	55.5	64.0	74.0	88.0	107.5	136.0	189.5	294.0	582.5
UPS+ 4 EBC	64.0	72.0	82.5	95.5	113.0	138.0	179.5	246.0	377.0	737.5
UPS+ 5 EBC	79.0	89.0	101.0	117.0	138.5	173.0	222.5	303.0	460.0	892.5
UPS+ 6 EBC	94.0	105.5	120.0	139.0	168.0	208.0	266.0	359.5	543.0	1047.5

6kVA Models

No. of EBCs	Backup Time (Min)									
	6 kW	5.4 kW	4.8 kW	4.2 kW	3.6 kW	3 kW	2.4 kW	1.8 kW	1.2 kW	0.6 kW
UPS	5.5	6.0	7.5	9.0	11.0	14.5	19.5	29.0	48.0	100.0
UPS+ 1 EBC	14.5	17.0	20.0	24.0	30.0	38.5	50.5	70.0	107.0	226.0
UPS+ 2 EBC	26.0	30.5	35.5	42.0	51.0	63.5	81.5	110.0	172.0	357.5
UPS+ 3 EBC	39.0	44.5	51.5	60.5	72.0	88.0	112.5	154.0	242.0	489.0
UPS+ 4 EBC	51.5	58.5	67.0	78.0	92.5	113.0	145.0	201.5	312.0	621.0
UPS+ 5 EBC	64.5	72.5	82.5	96.0	113.5	138.5	181.5	249.5	382.0	752.5
UPS+ 6 EBC	77.0	86.5	98.5	113.5	134.0	168.0	218.0	297.5	452.0	884.5

8kVA Models

No. of EBCs	Backup Time (Min)									
	8 kW	7.2 kW	6.4 kW	5.6 kW	4.8 kW	4 kW	3.2 kW	2.4 kW	1.6 kW	0.8 kW
UPS	3.5	4.0	4.5	6.0	7.5	9.5	13.0	19.5	33.5	75.0
UPS+ 1 EBC	9.5	11.5	13.5	16.0	20.0	26.0	35.0	50.5	79.0	166.0
UPS+ 2 EBC	17.5	20.5	24.0	29.0	35.5	45.0	59.0	81.5	124.5	267.5
UPS+ 3 EBC	26.5	30.5	35.5	42.5	51.5	64.0	82.0	112.5	176.0	369.0
UPS+ 4 EBC	36.0	41.0	48.0	56.0	67.0	82.5	105.5	145.0	229.5	471.0
UPS+ 5 EBC	45.5	52.0	59.5	69.5	82.5	101.0	128.5	181.5	283.0	572.5
UPS+ 6 EBC	55.5	62.5	71.5	83.0	98.5	120.0	155.0	218.0	336.5	674.5

10kVA Models

No. of EBCs	Backup Time (Min)									
	10 kW	9 kW	8 kW	7 kW	6 kW	5 kW	4 kW	3 kW	2 kW	1 kW
UPS	2.0	2.5	3.5	4.0	5.5	7.0	9.5	14.5	25.0	59.0
UPS+ 1 EBC	7.0	8.0	9.5	12.0	14.5	19.0	26.0	38.5	62.5	129.0
UPS+ 2 EBC	13.0	15.0	17.5	21.0	26.0	33.5	45.0	63.5	99.0	211.0
UPS+ 3 EBC	19.5	22.5	26.5	31.5	39.0	49.0	64.0	88.0	136.0	294.0
UPS+ 4 EBC	26.5	30.5	36.0	42.5	51.5	64.0	82.5	113.0	179.5	377.0
UPS+ 5 EBC	34.5	39.5	45.5	54.0	64.5	79.0	101.0	138.5	222.5	460.0
UPS+ 6 EBC	42.0	48.0	55.5	64.5	77.0	94.0	120.0	168.0	266.0	543.0

16kVA Models

No. of EBCs	Backup Time (Min)									
	16 kW	14.4 kW	12.8 kW	11.2 kW	9.6 kW	8 kW	6.4 kW	4.8 kW	3.2 kW	1.6 kW
UPS	3.5	4.0	5.0	6.0	7.5	9.5	13.5	20.0	35.0	79.0
UPS+ 1 EBC	10.0	11.5	14.0	16.5	20.5	26.5	35.5	51.5	82.0	176.0
UPS+ 2 EBC	18.0	21.0	24.5	29.5	36.0	45.5	59.5	82.5	128.5	283.0
UPS+ 3 EBC	27.0	31.0	36.5	43.5	52.5	64.5	83.0	114.0	183.0	390.0
UPS+ 4 EBC	36.5	42.0	49.0	57.5	68.0	83.5	106.5	147.5	238.0	496.5
UPS+ 5 EBC	46.5	53.0	61.0	71.0	84.0	102.5	130.5	184.5	293.0	603.5
UPS+ 6 EBC	56.5	63.5	73.0	84.5	100.0	121.5	157.5	221.5	348.0	710.5

20kVA Models

No. of EBCs	Backup Time (Min)									
	20 kW	18 kW	16 kW	14 kW	12 kW	10 kW	8 kW	6 kW	4 kW	2 kW
UPS	2.5	3.0	3.5	4.0	5.5	7.0	9.5	14.5	26.0	62.5
UPS+ 1 EBC	7.0	8.5	10.0	12.0	15.0	19.5	26.5	39.0	64.0	136.0
UPS+ 2 EBC	13.0	15.0	18.0	21.5	27.0	34.5	45.5	64.5	101.0	222.5
UPS+ 3 EBC	19.5	23.0	27.0	32.5	40.0	50.0	64.5	89.5	139.5	309.5
UPS+ 4 EBC	27.0	31.0	36.5	43.5	53.0	65.0	83.5	114.5	183.5	396.5
UPS+ 5 EBC	34.5	40.0	46.5	55.0	65.5	80.0	102.5	140.5	228.0	483.0
UPS+ 6 EBC	42.5	48.5	56.5	66.5	78.5	95.5	121.5	170.5	272.5	570.0

Note:

**EBC- External Battery Cabinet*

***Battery autonomy times are based on operation at 25°C. The autonomy times are approximate and are based on fully charged batteries and can vary +/-5% because of battery manufacturing variances.*

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SL-70564-APAC (R06/26)