



# Vertiv™ Liebert® GXT5 UPS

750 - 3000VA 230V

Intelligent and Efficient UPS Protection  
for 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 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.

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.

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 infrastructure management solutions such as LIFE Services, environmental sensors, 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, two-year product warranty.



## **Vertiv Liebert GXT5 Features**

### **Leading UPS Technology**

- High output PF = 1.0
- Full color graphic LCD display with gravity sensing
- Individually controllable output power sockets
- External battery cabinets with auto-detection
- Battery health status and replacement date prediction
- Remote management, update and configuration
- Optimized thermal management and variable speed fan

### **Efficient and Green Product**

- High efficiency (up to 94%) in on-line mode
- Energy Star® 2.0 certified
- Even higher efficiency (up to 98%) in Active ECO mode
- Programmable sockets for power cycling hung equipment and optimum battery usage
- RoHS and REACH compliance

### **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 additional external maintenance bypass as an option

## Vertiv™ Liebert® GXT5 Features



**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, thus providing energy savings and improved reliability.



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

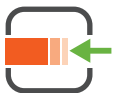
**Colored graphic  
LCD display with  
gravity orientation**

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 your UPS is set up correctly to report available run time when used with external battery cabinets.



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



## How You Benefit from the Liebert® GXT5 UPS

### Designed for high availability



- **The higher power factor** (1.0) ensures the connection of more loads and IT equipment
- With **individually controlled output sockets**, 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
- Automatic self-test

### User-friendly installation and operation



- Easy to read gravity sensing **graphical color display**
- **Intuitive user interface**, local configuration and management
- Support for the new Vertiv suite of **remote management tools** (Trellis™ Power Insight, RDU101 NIC and serial connectivity support)
- **Autodetection of external battery cabinets** enables faster deployment and accurate runtime information
- **Remote UPS firmware upgrade** capability ensures your 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 94%
- **Energy Star 2.0 certified**
- 4 **individually programmable output sockets** 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 Emergency: Comprehensive Service Support for Critical Systems

- **Five-year protection plan** with 100% parts coverage and 24x7 emergency service
- **100% parts coverage** for UPS with advance swap within 8 working hours from ticket acknowledgement, which means a total of two business days maximum from customer's claim. This service includes also internal batteries up to the third year.
- **24x7 access** to customer resolution center and online access to Customer Services Network

### Liebert GXT5 Service Program Items Power Emergency and Warranty Extensions

UPS	Power Emergency	Warranty Extension 1 year	Warranty Extension 3 years
GXT5-750IRT2UXLE GXT5-1000IRT2UXLE	RUPS-PE5-1kVA	PF1YR-MU-13	PF3YR-MU-13
GXT5-1500IRT2UXLE GXT5-2000IRT2UXLE	RUPS-PE5-2kVA	PF1YR-MU-14	PF3YR-MU-14
GXT5-3000IRT2UXLE	RUPS-PE5-3kVA	PF1YR-MU-15	PF3YR-MU-15

### Key Benefits:

- Reduces the worry of critical equipment downtime
- Ensures rapid recovery in the event of failure (within 24-48 hours)

	POWER EMERGENCY
TECHNICAL SUPPORT HOTLINE	24/7
PARTS INCLUDED	✓*
RESPONSE TIME	✓ 8 working hours**
CONTRACT DURATION	5 YEARS

\* Excluding batteries after the 3<sup>rd</sup> year.

\*\* Shipment of the new unit within 8 working hours from ticket acknowledgement, which means a total of two business days maximum after customer's claim.

Power Emergency is available in the following EMEA countries: Austria, Belgium, France, Germany, Ireland, Luxemburg, Portugal, Sweden, Switzerland, The Netherlands, United Kingdom, Czech Republic, Croatia, Italy, Poland, Slovakia, Spain, and Turkey.

See specific scope of work for offering details.



#### US AND CANADA

Manuf. and Assembly Locations **13**  
 Service Centers **100+**  
 Service Field Engineers **850+**  
 Technical Support/Response **120+**  
 Customer Experience Centers/Labs **4**

#### LATIN AMERICA

Manuf. and Assembly Locations **1**  
 Service Centers **20+**  
 Service Field Engineers **240+**  
 Technical Support/Response **20+**  
 Customer Experience Centers/Labs **2**

#### EUROPE, MIDDLE EAST AND AFRICA

Manuf. and Assembly Locations **9**  
 Service Centers **70+**  
 Service Field Engineers **590+**  
 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**

### 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 **28**  
 Service Centers **250+**  
 Service Field Engineers **2,650+**  
 Technical Support/Response **300+**  
 Customer Experience Centers/Labs **16**

# Vertiv™ Liebert® GXT5 | 750 - 3000VA 230V UPS

## Technical Specifications

	GXT5-750IRT2UXLE	GXT5-1000IRT2UXLE	GXT5-1500IRT2UXLE	GXT5-2000IRT2UXLE	GXT5-3000IRT2UXLE
Ratings (VA/W)	750VA/750W	1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W

### Dimensions, mm

Unit (W x D x H)	430 x 400 x 85	430 x 400 x 85	430 x 470 x 85	430 x 470 x 85	430 x 540 x 85
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### Weight, kg

Unit	21	21	21	21	28.20
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### Input AC Parameters

Range	Typical 230V Range: 115-288V	Typical 230V Range: 115-288V	Typical 230V Range: 115-288V	Typical 230V Range: 115-288V	Typical 230V Range: 115-288V
Frequency	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing	40-70Hz; Auto Sensing
Input Power Cord	IEC 60320 C14 input socket	IEC 60320 C14 input socket	IEC 60320 C14 input socket	IEC 60320 C20 input socket	IEC 60320 C20 input socket

### Output AC Parameters

Output Receptacles	IEC60320-C13 x 8	IEC60320-C13 x 8	IEC60320-C13 x 8	IEC60320-C13 x 8	IEC60320-C13 x 6 IEC60320-C19 x 1
Typical 230V User selectable output	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%	200/208/220/230/240VAC (user-configurable); ±3%
Waveform	Sine wave	Sine wave	Sine wave	Sine wave	Sine wave
Utility (AC) Mode Overload	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds	>200% for 250ms; 150- 200% for 2 seconds; 125- 150% for 50 seconds; 105-125% 60 seconds

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

### Environmental Requirements

Operating Temperature, °C	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C
Storage Temperature, °C	-20 to 60 °C contain batteries will be from -15 to 40°C.	-20 to 60 °C contain batteries will be from -15 to 40°C.	-20 to 60 °C contain batteries will be from -15 to 40°C.	-20 to 60 °C contain batteries will be from -15 to 40°C.	-20 to 60 °C 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
Operating Elevation	3,000m	3,000m	3,000m	3,000m	3,000m
Storage Elevation	15 000m	15 000m	15 000m	15 000m	15 000m
Audible Noise	<46dBA max at 1m front and sides < 43dBA at 1m rear	<46dBA max at 1m front and sides < 43dBA at 1m rear	<46dBA max at 1m front and sides < 43dBA at 1m rear	<48dBA max at 1m front and side <48dBA max at 1m rear	<48dBA max at 1m front and side <48dBA max at 1m rear

### Agency

Surge Immunity	ANSI C62.41 Category B	ANSI C62.41 Category B	ANSI C62.41 Category B	ANSI C62.41 Category B	ANSI C62.41 Category B
Transportation	ISTA Procedure 1A	ISTA Procedure 1A	ISTA Procedure 1A	ISTA Procedure 1A	ISTA Procedure 1A
Safety	EN 62040-1:2008+A1:2013	EN 62040-1:2008+A1:2013	EN 62040-1:2008+A1:2013	EN 62040-1:2008+A1:2013	EN 62040-1:2008+A1:2013
Emissions	EN 62040-2:2006 EN 61000-3-2:2014 EN 61000-3-3:2013	EN 62040-2:2006 EN 61000-3-2:2014 EN 61000-3-3:2013	EN 62040-2:2006 EN 61000-3-2:2014 EN 61000-3-3:2013	EN 62040-2:2006 EN 61000-3-2:2014 EN 61000-3-3:2013	EN 62040-2:2006 EN 61000-3-2:2014 EN 61000-3-3:2013
Environmental	WEEE and ROHS2 REACH	WEEE and ROHS2 REACH	WEEE and ROHS2 REACH	WEEE and ROHS2 REACH	WEEE and ROHS2 REACH

### Warranty

Warranty	Std. 2 year; Opt. +1 or +3 year	Std. 2 year; Opt. +1 or +3 year	Std. 2 year; Opt. +1 or +3 year	Std. 2 year; Opt. +1 or +3 year	Std. 2 year; Opt. +1 or +3 year
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## Available Liebert GXT5 UPS Accessories

### External battery cabinets and replacement battery kits

UPS	External battery cabinets	Replacement battery kits
GXT5-750IRT2UXLE	GXT5-EBC36VRT2UE	GXT5-36BATKIT
GXT5-1000IRT2UXLE	GXT5-EBC36VRT2UE	GXT5-36BATKIT
GXT5-1500IRT2UXLE	GXT5-EBC48VRT2UE	GXT5-48BATKIT
GXT5-2000IRT2UXLE	GXT5-EBC48VRT2UE	GXT5-48BATKIT
GXT5-3000IRT2UXLE	GTX5-EBC72VRT2UE	GXT5-72BATKIT

### Network communications and environmental sensors

Network Communications	Model	Description
	RDU101	Intellislot web card for SNMP and web management
	RELAYCARD-PG	Intellislot Relay 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

### Installation

RMKIT18-32	All GXT5 battery modules as well as all GXT5 750 thru 3000VA models (racks with 18" - 32" deep support rails)
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
2UTELECOMRKIT	Center-mount brackets for 19" wide telecom/relay racks

### Micro POD

UPS	POD	Output Receptacles / Protection	
		socket group A	socket group B
GXT5-750IRT2UXLE GXT5-1000IRT2UXLE GXT5-1500IRT2UXLE	MP2-210K	4 x IEC 60320 C13 with 10 A breaker	4 x IEC 60320 C13 with 10 A breaker
GXT5-2000IRT2UXLE	MP2-220K	4 x IEC 60320 C13 with 10 A breaker	4 x IEC 60320 C13 with 10 A breaker
GXT5-3000IRT2UXLE	MP2-220L	4 x IEC 60320 C13 with 10 A breaker	2 x IEC 60320 C13 with 10 A breaker 1 x IEC 60320 C19 with 16 A breaker

**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

**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 upgradeable 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.

