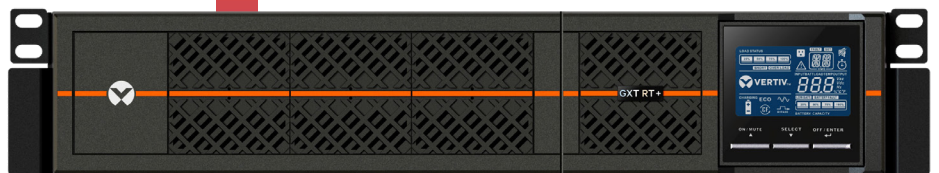
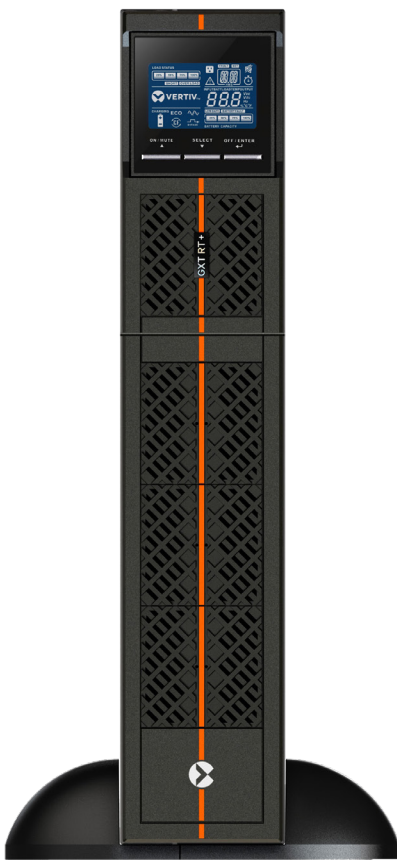




# Vertiv™ Liebert® GXT RT+ UPS

1000 - 3000 VA 230 V

Essential and Affordable UPS for  
High Performance Protection



## *Essential and Affordable Uninterruptible Power Supply (UPS) for High Performance Protection*

**The Vertiv™ Liebert® GXT RT+ UPS is an online double conversion solution which offers power protection in an affordable, efficient system with deployment and operation flexibility.**

The high 0.9 power factor of the single-phase Liebert® GXT RT+ enables continuous, reliable power to more connected devices from a wide range of input voltages while being energy efficient and delivering maximum value.

The ECO mode of operation for this already affordable UPS also drives energy cost savings for a compelling total cost of ownership (TCO).

Being able to mount the Liebert GXT RT+ in a rack or tower is a convenience that adds to the value story as does the capability of the UPS to utilize external battery cabinets for scalable runtimes.

In addition to the extended runtime, having multiple monitoring options makes this compact UPS ideal for delivering best-in-class power protection to equipment deployed at the edge of networks or in space-constrained facilities.

### **Liebert GXT RT+ Features**

- Online technology with two stages of power conversion
- Output power factor higher than majority of comparable competitor models
- Flexible rack/tower form factor
- External battery cabinet compatibility
- User-friendly liquid crystal display (LCD)
- High efficiency ECO mode
- User replaceable hot-swappable batteries
- Wide input voltage operation (120-300V AC)
- RoHS and REACH compliance

### **What's in the box?**

- Liebert GXT RT+ UPS
- USB Cable type A to B cable
- Quick Installation Guide
- Safety Instructions
- 2 x IEC C13 to C14 output cables (1.8 m)
- Input power cables (UK, AUS, Schuko, 1.8 m)
- Stabilizing feet for tower configuration
- Adjustable 4-post rack mounting kit, with screws, ears and hardware
- UPS Management Software (free download from Vertiv.com) - Vertiv™ [Power Insight](#) for remote management and [ViewPower](#) for USB/RS232 direct connect



## Vertiv™ Liebert® GXT RT+ UPS Features and Benefits



### Compact, flexible form factor

Option of rack or tower mounting supports simplified UPS selection and deployment.



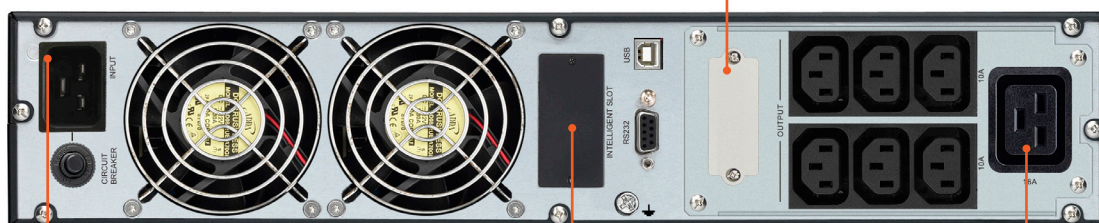
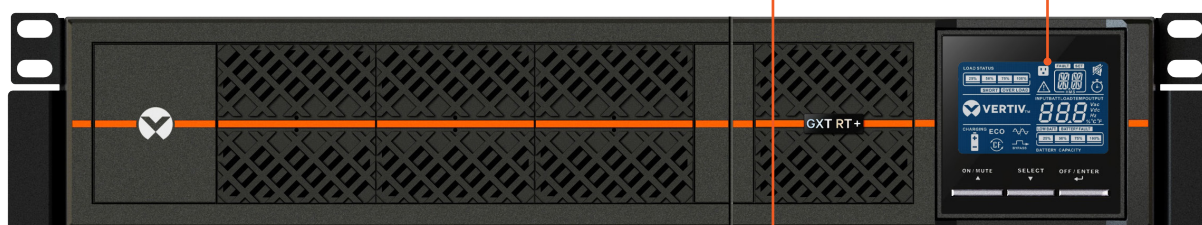
### External battery cabinet capability

Connected modules enable scalable runtime during failure of main utility power.



### User-friendly interface

Intuitive LCD provides complete UPS status and configuration information at a glance.



### High efficiency ECO mode

Configurable operation mode for up to 95% efficiency helps to achieve energy savings and a lower TCO.



### Network management compatibility

Network interface or serial connections enable access to UPS for monitoring and configuration of alert notification parameters.



### High output power factor (0.9)

More usable power enables more connected loads for space and cost savings.

*Note: Front panel is the same for all power ratings while rear panels will vary. Rear panel is for 3kVA.*

## Technical Specifications

	GXTRT-1000IRT2UXL	GXTRT-1500IRT2UXL	GXTRT-2000IRT2UXL	GXTRT-3000IRT2UXL
Ratings (VA/W)	1000/900	1500/1350	2000/1800	3000/2700
<b>Dimensions, mm</b>				
Unit (W x D x H)	438 x 310 x 86	438 x 410 x 86	438 x 410 x 86	438 x 632 x 86
Shipping (W x D x H)	600 x 500 x 240	700 x 565 x 240	700 x 565 x 240	600 x 760 x 240
<b>Weight, kg</b>				
Unit	11	15.9	18.2	26.6
Shipping	16.3	22.3	24.7	34.1
<b>Input AC Parameters*</b>				
Input voltage range (VAC)	120-300	120-300	120-300	120-300
Frequency Range (Hz)	40-70	40-70	40-70	40-70
Input Power connector	IEC60320 C14	IEC60320 C14	IEC60320 C14	IEC60320 C20
<b>Output AC Parameters</b>				
Output Receptacles	6 x IEC60320 C13	6 x IEC60320 C13	6 x IEC60320 C13	6 x IEC60320 C13 1 x IEC60320 C19
Output Voltage (VAC)	220/230/240	220/230/240	220/230/240	220/230/240
Waveform	Pure Sine wave	Pure Sine wave	Pure Sine wave	Pure Sine wave
Output (AC Mode) Overload	<130% for 30 seconds <150% for 3 seconds	<130% for 30 seconds <150% for 3 seconds	<130% for 30 seconds <150% for 3 seconds	<130% for 30 seconds <150% for 3 seconds
<b>Battery</b>				
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
Recharge Time (internal batteries, typical)	4 hr @90%	4 hr @90%	4 hr @90%	4 hr @90%
<b>Environmental</b>				
Operating Temperature, °C (°F)	0 to 40 (32 to 104)	0 to 40 (32 to 104)	0 to 40 (32 to 104)	0 to 40 (32 to 104)
Storage Temperature, °C (°F)	-20 to 50 (-4 to 122)	-20 to 50 (-4 to 122)	-20 to 50 (-4 to 122)	-20 to 50 (-4 to 122)
Relative Humidity (%, non-condensing)	10-80%	10-80%	10-80%	10-80%
Operating Altitude (m, without derating)	<2,000	<2,000	<2,000	<2,000
Audible Noise (line mode)	55 dBA max @ 1m	55 dBA max @ 1m	55 dBA max @ 1m	55 dBA max @ 1m
<b>Agency</b>				
Compliance	CE, CB report, UKCA, RCM, EAC, Morocco	CE, CB report, UKCA, RCM, EAC, Morocco	CE, CB report, UKCA, RCM, EAC, Morocco	CE, CB report, UKCA, RCM, EAC, Morocco
Safety	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1
Electromagnetic Interference (EMI)	IEC/EN 62040-2 Cat. C1	IEC/EN 62040-2 Cat. C1	IEC/EN 62040-2 Cat. C1	IEC/EN 62040-2 Cat. C1
Surge Immunity	EN 61000-4-5	EN 61000-4-5	EN 61000-4-5	EN 61000-4-5
Transportation	ISTA 2A	ISTA 2A	ISTA 2A	ISTA 2A
Environmental	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE	RoHS2 / REACH / WEEE
<b>Warranty</b>				
Warranty	2 years	2 years	2 years	2 years

\*Note: Specific conditions or power derating applies.

## External Battery Cabinets

	GXTRT-EBC24VRT2U	GXTRT-EBC36VRT2U	GXTRT-EBC48VRT2U	GXTRT-EBC72VRT2U
Dimensions Unit (W x D x H, mm)	438 x 410 x 86	438 x 410 x 86	438 x 510 x 86	438 x 630 x 86
Weight (kg)	16.2	21.2	28.6	40.8
Compliance	CE, EAC, UKCA, Morocco	CE, EAC, UKCA, Morocco	CE, EAC, UKCA, Morocco	CE, EAC, UKCA, Morocco

## UPS Runtime Table

Load %	GXTRT-1000IRT2UXL	GXTRT-1500IRT2UXL	GXTRT-2000IRT2UXL	GXTRT-3000IRT2UXL
100%	3.1	3.2	3.2	3.3
75%	5	5	5.7	5.8
50%	9	9	9	10.5
25%	19	21	23	26

In minutes. With internal batteries and batteries fully charged.

Runtime tool available at:

<https://www.vertiv.com/en-emea/support/tools-applications/vertiv-ups-interactive-runtime-tools/vertiv-liebert-gxt-rt-ups>

## Accessories and Options

### Liebert® MicroPOD – Maintenance Bypass and Output Distribution

The Liebert® MicroPOD (Power Output Distribution) is a maintenance bypass option for UPS products, 3kVA and below. It allows removal of the UPS without powering down the connected equipment.



UPS Model	MicroPOD Model	Input socket	Output receptacles
GXTRT-1000IRT2UXL			
GXTRT-1500IRT2UXL	MP2-210K	IEC60320-C14	8 x IEC60320-C13
GXTRT-2000IRT2UXL			
GXTRT-3000IRT2UXL	MP2-220L	IEC60320-C20	6 x IEC60320-C13 & 1 x IEC60320-C19

### Communication Cards

Optional communication cards are compatible with all Liebert® GXT RT+ models.



Model	Description
LI38000B020	Network management card for SNMP and web access remotely
LI38000B010	Relay contacts card

### External Battery Cabinets

UPS Model	External battery cabinet
GXTRT-1000IRT2UXL	GXTRT-EBC24VRT2U
GXTRT-1500IRT2UXL	GXTRT-EBC36VRT2U
GXTRT-2000IRT2UXL	GXTRT-EBC48VRT2U
GXTRT-3000IRT2UXL	GXTRT-EBC72VRT2U



### Internal Battery Replacement Kits

UPS Model	Battery replacement kit
GXTRT-1000IRT2UXL	GXTRT-24BATKIT
GXTRT-1500IRT2UXL	GXTRT-36BATKIT
GXTRT-2000IRT2UXL	GXTRT-48BATKIT
GXTRT-3000IRT2UXL	GXTRT-72BATKIT

## Key Applications



### IT

- Servers
- Networking equipment
- Data storage



### Finance

- Branch offices
- Closed-circuit televisions and data protection
- ATMs



### Telecom

- 5G mobile stations
- Access and “last mile”
- Small control rooms



### Industrial

- Manufacturing sites
- Control equipment and programmable logic controllers (PLCs)
- Data and networking equipment



### Education

- Networking closets
- Networking equipment
- Office protection



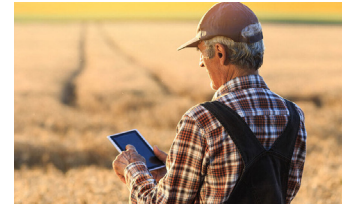
### Government

- Distributed offices
- Closed-circuit television (CCTV) and data protection
- Small server and storage rooms



### Retail

- Several point of sale systems
- Networking and wiring closets
- Security and voice over internet protocol (VoIP) telephony



### Edge

- Distributed cloud services
- Content providers
- Sensors and data stations

## Comprehensive Services for Critical Systems

### Power Emergency Package

The Power Emergency Package provides emergency support with 100% parts coverage and is available for single-phase UPS products up to 3kVA. Adding Vertiv services to your Liebert® GXT RT+ ensures you are protected during an emergency.

- Five years service coverage
- 24x7 professional Helpline
- Advance replacement of the faulty unit
- Shipping costs covered by Vertiv
- Coverage for both electronic parts and battery failures

### Installation and Start-up Services

Installation and Start-up Services provide on-site technical support for installation and start-up of your UPS or battery cabinet, ensuring you get up and running as quickly as possible:

- Installation for 3kVA model includes mounting the new UPS and battery cabinets in 8x5 (PS-RUPS-INSTL85-005) or 24x7 (PS-RUPS-INSTL247-005)
- Start-up available for 3kVA model in 2 scheduling options, in 8x5 (PS-RUPS-ST85-005) or 24x7 (PS-RUPS-ST247-005)
- Services performed by a Vertiv factory trained technician

Vertiv™ Liebert® GXT RT+	Power Emergency	Warranty Extension +1 year	Warranty Extension +3 years
1000/1500 VA	RUPS-PE5-004	RUPS-WE1-004	RUPS-WE3-004
2000/3000 VA	RUPS-PE5-005	RUPS-WE1-005	RUPS-WE3-005

## Build Your Total Infrastructure Solution with Vertiv

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

### Vertiv™ VR Rack

Self-contained 42U server rack designed to simplify equipment installation and provides an additional 6cm of useable depth.

### Vertiv™ Geist™ rPDU

Reliable power distribution with outlet level remote monitoring and management providing the highest level of power visibility and control.

### Cable and Air Flow Management

Included accessories ensure proper cable management and airflow to keep your equipment cool.

### Vertiv™ VRC

Keep critical IT equipment cool with a dedicated high-efficiency rack-mount cooling system with scalable capacity.

### Software and IT Management

Monitor the entire system either locally or remotely to ensure you are alerted of out-of-range conditions that could result in costly downtime.

### Vertiv™ Liebert® GXT RT+

Protect mission critical equipment in the event of power loss or extreme power fluctuations.



