Vertiv™ Liebert® GXE UPS

6 – 10 kVA 230 V

Essential and Affordable
UPS for High Performance
Power Protection

Vertiv™ Liebert® GXE UPS │ 6 – 10 kVA 230 V

Essential and affordable Uninterruptible Power Supply (UPS) for high performance power protection

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

The unity output power factor (1.0) of the Liebert GXE single-phase UPS enables continuous and reliable power to more connected devices, protecting them against many disturbances in the AC mains with the online double conversion technology and input surge protection.

The high efficiency in both line and ECO modes of operation for this already affordable UPS also drives energy and operational costs savings.

Available in 6 or 10 kVA power ratings, it provides flexibility for mounting in either tower position or inside a rack cabinet, together with the IT equipment critical for any application. Moreover, the capability to add external battery cabinets provides scalable runtime for those applications requiring even a longer period of backup in case of AC mains failures.

In addition to the extended runtime, having multiple monitoring options make this compact UPS ideal for delivering best-in-class power protection to equipment at the edge of networks or in remote sites.

What's In The Box

- Liebert® GXE UPS
- Quick Installation Guide
- Safety Instructions
- Adjustable 4-post rack mounting kit
- Rack mounting ears/hardware
- USB type A to B cable (1.2 m)
- Stabilizing feet for tower configuration
- Free Vertiv™ Power Assist software for local UPS status and shutdown, or Vertiv™ Power Insight for remote network management

Vertiv™ Liebert® GXE Features

- High output power factor (1.0)
- Full-color graphic LCD with gravity sensing orientation
- High efficiency in online mode (up to 94%)
- Even higher efficiency (up to 98%) in ECO mode
- Flexible rack/tower design, with rack mount kit included
- Extended runtime with up to 4 External Battery Cabinets (EBC)
- Hot-swappable user replaceable internal UPS batteries
- Easy to install, configure and operate
- Remote management capability with optional Vertiv™ Liebert® Intellislot™ IS-UNITY network management cards
- Wide input frequency operation (40-70 Hz) without any power derating
- Automatic internal bypass
- Free UPS management software
- Fast recharge time (3 hours @ 90%)

Vertiv™ Liebert® GXE 6 kVA shown with an optional 2 U external battery cabinet

Vertiv™ Liebert® GXE Features

High output power factor (1.0)

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

Colored graphic LCD display with gravity orientation

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

Internal charger

Powerful integrated charger, for 3 hours @ 90% internal batteries. Up to 4 Amps maximum with EBCs connected.

Compact Rack/Tower design

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

Hot-swappable user replaceable batteries

Easy replacement of the internal batteries without power interruption.

Remote monitoring

Vertiv™ Liebert® IntelliSlot™ for operation with IS-UNITY cards.

Efficiency (up to 94%) in online mode and up to 98% in ECO mode

Higher efficiency means an optimized energy management and lower heat dissipation, thus providing energy savings and improved reliability.

External battery cabinets

Up to 4 external battery cabinets can be connected for applications.

Vertiv™ Liebert® GXE Applications

Market segments

- Edge and Network Closets
- Finance and Banking
- Education
- Healthcare
- Retail
- Government
- Manufacturing and Light Industrial
- Telecom

Applications

- Servers
- Storage Systems
- PBX and VoIP telephony
- CCTV equipment
- Switches and hubs
- Distributed and Control Processes
- Security Control and Access
- Medical office equipment

UPS Rear View

GXE3-6000IRT4UXL
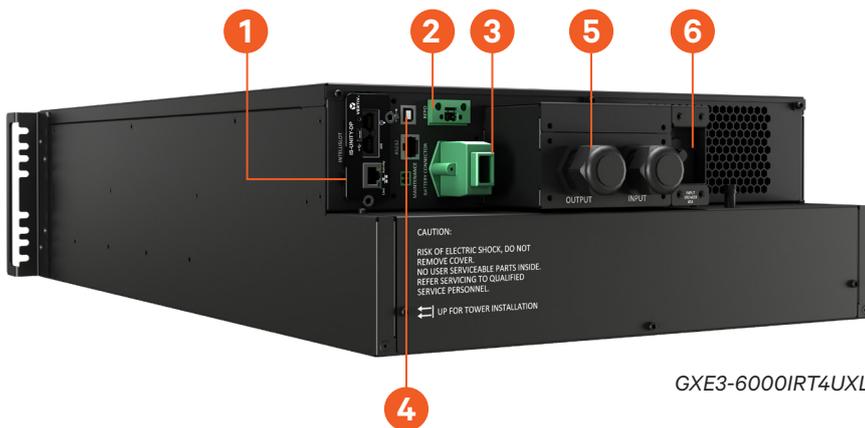
1. Slot for Vertiv™ Liebert® Intellislot™ network cards for remote management

2. Emergency Power Off (EPO)

3. External Battery Cabinet Connector

4. Communications

5. I/O Terminal Block

6. Input Breaker
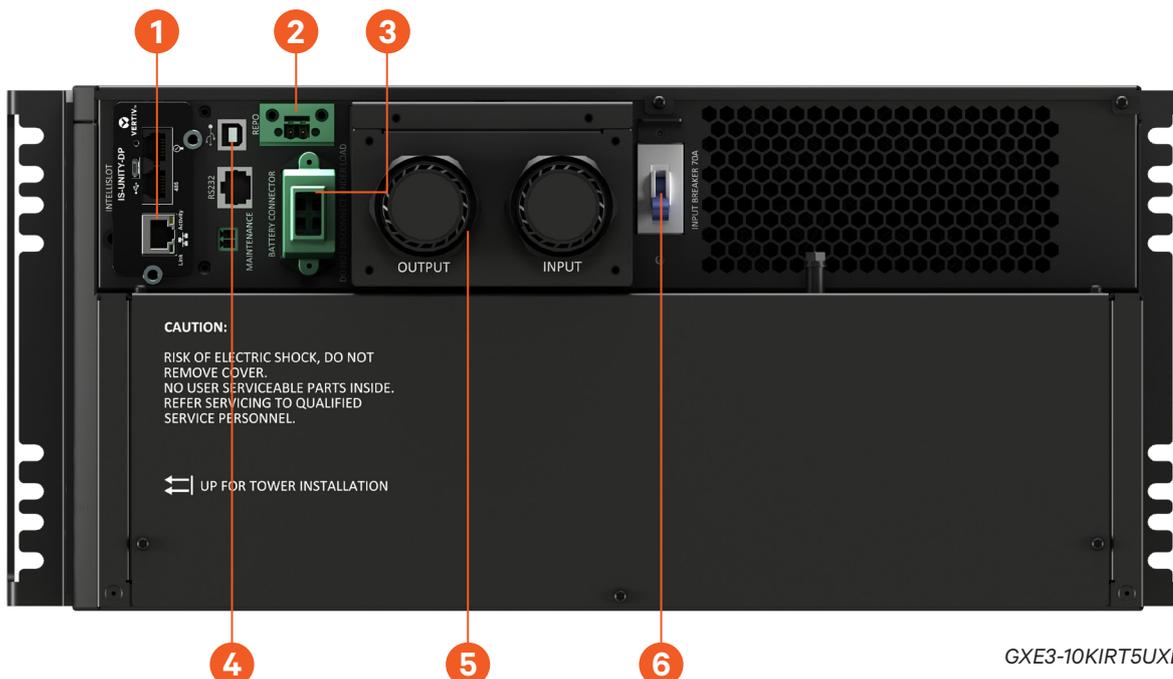
GXE3-10KIRT5UXL

Note: Network management card is optional.

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Technical Specifications Vertiv™ Liebert® GXE

	GXE3-6000IRT4UXL	GXE3-10KIRT5UXL
Power Rating (VA/W)	6000 VA/6000 W	10000 VA/10000 W
Form Factor	Rack/Tower (4 U)	Rack/Tower (5 U)
Dimensions, mm		
Unit (W × D × H)	430 × 750 × 173	430 × 700 × 217
Shipping (W × D × H)	600 × 850 × 480	600 × 800 × 530
Weight, kg		
Unit	70	80
Shipping	92	102
Input AC Parameters		
Voltage Range Without Battery Operation (230 V default, derating applies)*	100 - 288	100 - 288
Voltage Range Without Battery Operation (230 V default, 100% load)	176 - 288	178 - 288
Frequency Range (Hz, autosensing)	40 - 70	40 - 70
Input Wiring	Hardwired (Terminals L-N-G)	Hardwired (Terminals L-N-G)
Surge Protection (J)	600	600
Output AC Parameters		
Output Voltage	220/230 (Default)/240	220/230 (Default)/240
Waveform	Pure Sine Wave	Pure Sine Wave
Output Overload (AC Mode)	105% - 125% @ 5 min 126% - 150% @ 1 min > 150% @ 200 ms	105% - 125% @ 5 min 125% - 150% @ 1 min > 150% @ 200 ms
Output wiring	Hardwired (Terminals L-N-G)	Hardwired (Terminals L-N-G)
Efficiency (Online mode, max.)	94%	94%
Efficiency (ECO mode, max.)	98%	98%
Battery		
Type	Valve-regulated, non-spillable, lead-acid	Valve-regulated, non-spillable, lead-acid
Recharge Time (internal batteries, typical)	3 hr @ 90%	3 hr @ 90%
Backup Time (100% load, minutes)	5	3.5
Backup Time (50% load, minutes)	14	9
Compatible External Battery Cabinet	GXE3-EBC192VRT2U	GXE3-EBC240VRT3U
Environmental		
Operating Temperature (ºC)	0 to 40 ºC	0 to 40 ºC
Storage Temperature (ºC, without battery inside)	-20 ºC to +70 ºC	-20 ºC to +70 ºC
Relative Humidity (Operation, non-condensing)	5% to 95%	5% to 95%
Operating Altitude (m), without derating**	2000	2000
Audible Noise (Line mode)	<55 dBA	<58 dBA
Agency		
Compliance	CE, CB Report, EAC, UKCA, Morocco, RCM	CE, CB Report, EAC, UKCA, Morocco, RCM
Safety	IEC/EN 62040-1	IEC/EN 62040-1
Transportation	ISTA 3E	ISTA 3E
Environmental	RoHS, REACH, WEEE	RoHS, REACH, WEEE
Communications and Management		
Slot for optional cards	Yes	Yes
Communication port	USB	USB
Emergency Power Off (EPO)	Yes	Yes
Warranty		
Warranty (Electronics and batteries)	2 years	2 years

*Note: *Specific conditions or power derating applies.*
*Note: **Up to 3000 m with power derating.*

External Battery Cabinets

Dimensions, mm	GXE3-EBC192VRT2U	GXE3-EBC240VRT3U
Unit (W × D × H)	430 × 765 × 85	430 × 645 × 130
Shipping (W × D × H)	600 × 850 × 405	600 × 800 × 450
Weight, kg		
Unit	58.4	66.9
Shipping	78	85
Agency		
Compliance	CE, CB Report, UKCA	CE, CB Report, UKCA

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Accessories

Model Number	Description
IS-UNITY-SNMP	10/100 Mbit Ethernet SNMP, Device Web Page, with MIB and configuration cable
IS-UNITY-DP	Same as IS-UNITY-SNMP, and BACnet IP and MODBUS (TCP and RTU)
IS-RELAY	Liebert® Intellislot™ Interface Kit for Relay Contacts
SN-T	Modular with single temperature sensor
SN-TH	Modular with single temperature and humidity sensor

External Battery Cabinets

UPS Model	External Battery Cabinet
GXE3-6000IRT4UXL	GXE3-EBC192VRT2U
GXE3-10KIRT5UXL	GXE3-EBC240VRT3U

Internal Replacement Battery Kits

UPS Model	Replacement Battery Kit
GXE3-6000IRT4UXL	GXE3-192VBATKIT
GXE3-10KIRT5UXL	GXE3-240VBATKIT

Maintenance Bypass Cabinet*

UPS Model	MBC Model	Output Distribution
GXE3-6000IRT4UXL	VMBC-20KIRT4U	Hardwired, 3 × IEC60309, 12 × IEC C13-C19 combo outlets
GXE3-10KIRT5UXL	VMBC-20KIRT4U	Hardwired, 3 × IEC60309, 12 × IEC C13-C19 combo outlets

*Note: *For the alternative option to use ITA2 POD's, please contact our technical support team.*

UPS Runtime Tables

[Vertiv™ UPS Interactive Runtime Tool](#)

Vertiv™ Liebert® GXE 6 kVA

GXE3-6000IRT4UXL				Quantity of EBCs			
Load(%)	VA	Watts	Internal Battery Only	1	2	3	4
100%	6000	6000	5,5	15	26	39	52
70%	4200	4200	9	24	42	60	78
50%	3000	3000	14	38	63	88	115
20%	1200	1200	47	108	173	240	310

Vertiv™ Liebert® GXE 10 kVA

GXE3-10KIRT5UXL				Quantity of EBCs			
Load(%)	VA	Watts	Internal Battery Only	1	2	3	4
100%	10000	10000	3,6	10	18	27	36
70%	7000	7000	6	16	29	43	57
50%	5000	5000	9	26	45	64	83
20%	2000	2000	34	80	130	181	233

Note: Approximate runtimes at 25 ºC for batteries in new conditions, fully recharged and pure resistive load. Actual runtimes can vary due to battery age, temperature or configuration.

Comprehensive Service Support for Critical Systems

Power Emergency Package

The Power Emergency Package provides on-site emergency support with 100% parts and labor coverage. Adding Vertiv services to your Vertiv™ Liebert® GXE single-phase UPS ensures you are protected during an emergency. Includes:

- Five-year service coverage.

- Includes 24 × 7 professional helpline.

- 24 × 7 access to professional helpline.

- Advanced replacement of the faulty unit.

- Shipping costs are covered by Vertiv.

- Coverage for both electronic parts and battery failures.

- Start-up/Installation services: Start-up Services provide on-site technical support for installation and start-up of your UPS for you get up and running as quickly as possible.

  - Installation includes mounting the new UPS and powering it up.

  - Configuring the IS-Webcard and make sure that it is online in their network (optional item).

  - Services performed by a Vertiv factory trained technician.

Note	Part Number	Description 1	Description 2
Power Emergency package (8 × 5)*	88025229	Preferred B/H 3YR	GXE3-6-10kVA
	88025220	Start-up B/H 5-10kVA	
Power Emergency package (24 × 7)*	88025249	Preferred A/H 3YR	GXE3-6-10kVA
	88025259	Start-up A/H 5-10kVA	

*Note: *Need to order both part numbers at the same time to get all scope for power emergency package.*

Build Your Total Infrastructure Solution with Vertiv

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

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

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

**Cable and
Air Flow Management**
Included accessories ensure proper cable management and airflow to keep your equipment cool.

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® GXE
Helps to protect mission critical equipment in the event of power loss or extreme power fluctuations.

Vertiv.com

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