



Vertiv™ Liebert® GXE UPS

6kVA 230V

Essential and Affordable
UPS for High Performance
Power Protection



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

The Vertiv™ Liebert® GXE UPS is 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 online and ECO modes of operation for this already affordable UPS also drives energy and operational costs savings.

Available in 6kVA power rating, 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.

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 (40-70Hz) without any power derating
- Automatic internal bypass
- Free UPS management software
- Fast recharge time (3 hours @90%)
- Compatible with Vertiv™ Life™ Service to maximize UPS availability

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 status and shutdown



Vertiv™ Liebert® GXE 6kVA shown with an optional 2U 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 4Amps 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

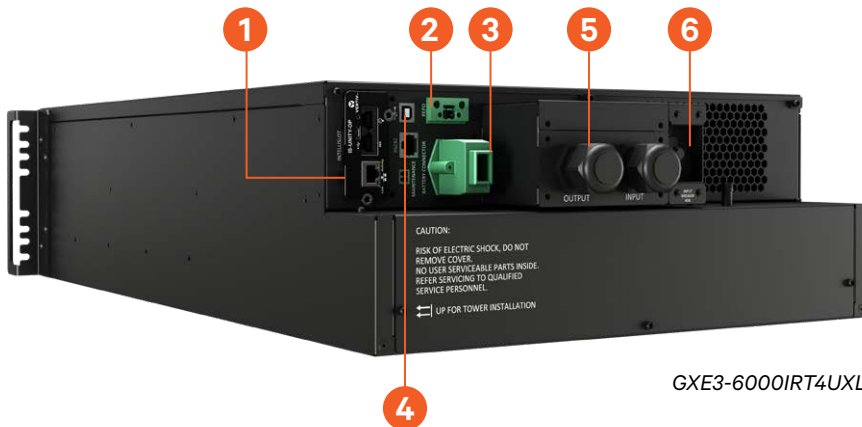
- Edge and Network Closets
- Finance and Banking
- Education
- Retail
- Government
- Manufacturing and Light Industrial
- Telecom

Applications

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



UPS Rear View



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

Note: network management card is optional.

Technical Specifications Vertiv™ Liebert® GXE

GXE3-6000IRT4UXL	
Power Rating (VA/W)	6000VA / 6000W
Form Factor	Rack / Tower (4U)
Dimensions, mm	
Unit (W x D x H)	430 x 750 x 173
Shipping (W x D x H)	600 x 850 x 480
Weight, kg	
Unit	70
Shipping	92
Input AC Parameters	
Voltage Range Without Battery Operation (230V default, derating applies)*	100 - 288
Voltage Range Without Battery Operation (230V default, 100% load)	176 - 288
Frequency Range (Hz, autosensing)	40 - 70
Input Wiring	Hardwired (terminals L-N-G)
Surge Protection (J)	600
Output AC Parameters	
Output Voltage	220/230 (default) /240
Waveform	Pure Sine Wave
Output Overload (AC Mode)	105% - 125% @ 5 min 126% - 150% @ 1 min > 150% @ 200 ms
Output wiring	Hardwired (terminals L-N-G)
Efficiency (online mode, max.)	94%
Efficiency (ECO mode, max.)	98%
Battery	
Type	Valve-regulated, non-spillable, lead-acid, 9Ah, 192V
Recharge Time (internal batteries, typical)	3 hr @ 90%
Backup Time (100% load, minutes)	5
Backup Time (50% load, minutes)	14
Compatible External Battery Cabinet	GXE3-EBC192VRT2U
Environmental	
Operating Temperature (°C)	0 to 40°C
Storage Temperature (°C, without battery inside)	-20°C to +70°C
Relative Humidity (operation, non-condensing)	5% to 95%
Operating Altitude (m), without derating (**)	2000
Audible Noise (line mode)	<55dBA
Agency	
Compliance	CE, CB Report, EAC, UKCA, Morocco, RCM
Safety	IEC/EN 62040-1
Transportation	ISTA 3E
Environmental	RoHS, REACH, WEEE
Communications and Management	
Slot for optional cards	Yes
Communication port	USB
Emergency Power Off (EPO)	Yes
Warranty	
Warranty (electronics and batteries)	1 year

(*) Note: Specific conditions or power derating applies.

(**) Note: Up to 3000 m with power derating.

External Battery Cabinets

GXE3-EBC192VRT2U	
Dimensions, mm	
Unit (W x D x H)	430 x 765 x 85
Shipping (W x D x H)	600 x 850 x 405
Weight, kg	
Unit	58.4
Shipping	78
Agency	
Compliance	CE, CB Report, EAC, UKCA, Morocco

Accessories

Model Number	Description
IS-UNITY-DP	Same as IS-UNITY-SNMP, and BACnet IP and MODBUS (TCP & RTU)
RELAYCARD-PG	Liebert® Intellislot™ Interface Kit for Relay Contacts
USB485I	USB to RS-485 adapter for Modbus/RTU and BACnet/MSTP support
SN-T	Modular with single temperature sensor
SN-TH	Modular with single temperature and humidity sensor
SN-2D	Modular with two door contact inputs
SN-3C	Modular with three dry-contact inputs
SN-Z01	Integrated cable with single temperature sensors
SN-Z02	Integrated cable with three temperature sensors
SN-Z03	Integrated cable with three temp. sensors & 1 humidity sensor



External Battery Cabinets

UPS Model	External Battery Cabinet
GXE3-6000IRT4UXL	GXE3-EBC192VRT2U



Internal Replacement Battery Kits

UPS Model	Replacement Battery Kit
GXE3-6000IRT4UXL	GXE3-192VBATKIT



Maintenance Bypass Cabinet

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



UPS Runtime Tables

[Vertiv™ UPS Interactive Runtime Tool](#)

Vertiv™ Liebert® GXE 6kVA				Quantity of EBCs			
GXE3-6000IRT4UXL				1	2	3	4
Load(%)	VA	Watts	Internal Battery Only				
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

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

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™ VR Rack

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

Vertiv™ VRC

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



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.



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