

# Vertiv™ Liebert® GXE

Essential and Affordable UPS for High Performance Power Protection  
1000, 1500, 2000, 3000 VA, 230V, Tower or Rack/Tower Convertible



## Overview



Liebert GXE 1000 VA rack/tower shown with an optional 2U external battery cabinet.

### Liebert® GXE 1-3kVA Features:

- High output power factor (0.9)
- High efficiency in online mode (up to 91%)
- Even higher efficiency (up to 96%) in ECO mode
- Compact tower only form factor or flexible rack/tower convertible design
- User-friendly LCD interface
- Fast recharge time (< 4 hours to 90% for internal batteries)
- Extended runtime with up to 4 optional External Battery Cabinets (EBC)
- Hot-swappable user replaceable internal UPS batteries
- Rack mounting kit included
- Remote management capability with optional Vertiv™ Liebert® Intellislot™ IS-UNITY network management cards
- (8) IEC60320 C13 outlets (all models), plus (1) C19 (3kVA model)
- Automatic internal bypass
- Free UPS management software Vertiv™ Power Insight and Vertiv™ Power Assist
- Vertiv™ Life™ Service to maximize UPS availability

*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 high output power factor (0.9) 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 the 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 1, 1.5, 2 and 3kVA power ratings in either a compact tower form factor, or in a rack/tower design with flexibility for mounting in 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. It is combined with a powerful internal charger with a maximum of 6 Amps for a fast recharge.

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 Unit
- Quick Installation Guide
- Safety Instructions
- Adjustable 4-post rack mounting kit
- Rack mounting ears/hardware
- Stabilizing feet for tower configuration
- Input and output power cables
- USB type A to B cable (1.2 m)
- Free download [Vertiv Power Assist](#) software for local UPS status and shutdown, or [Vertiv Power Insight](#) for remote network management with the optional IS-UNITY network management card

## Technical Specifications

Model Number	GXE3-1000IMT	GXE3-1500IMT	GXE3-2000IMT	GXE3-3000IMT
<b>Power Rating (VA/W)</b>	1000VA / 900W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W
<b>Form Factor</b>	Tower	Tower	Tower	Tower
<b>Dimensions, mm</b>				
Unit (W x D x H)	160 x 315 x 245	160 x 420 x 245	160 x 420 x 245	200 x 425 x 345
Shipping (W x D x H)	235 x 395 x 325	235 x 560 x 325	235 x 560 x 325	320 x 560 x 460
<b>Weight, kg</b>				
Unit	11.8	16.4	19.4	27.7
Shipping	12.5	17.3	20.4	29.3
Model Number	GXE3-1000IRT2UXL	GXE3-1500IRT2UXL	GXE3-2000IRT2UXL	GXE3-3000IRT2UXL
<b>Power Rating (VA/W)</b>	1000VA / 900W	1500VA / 1350W	2000VA / 1800W	3000VA / 2700W
<b>Form Factor</b>	Rack / Tower (2U)	Rack / Tower (2U)	Rack / Tower (2U)	Rack / Tower (2U)
<b>Dimensions, mm</b>				
Unit (W x D x H)	438 x 430 x 86	438 x 430 x 86	438 x 430 x 86	438 x 630 x 86
Shipping (W x D x H)	560 x 600 x 235	560 x 600 x 235	560 x 600 x 235	790 x 600 x 235
<b>Weight, kg</b>				
Unit	16.0	19.6	22.7	31.5
Shipping	17.6	21.6	24.8	34.2
<b>Input AC Parameters</b>				
Voltage Range Without Battery Operation (230V default, derating applies*)	110 - 290	110 - 290	110 - 290	110 - 290
Voltage Range Without Battery Operation (230V default, 100% load)	180 - 290	180 - 290	180 - 290	180 - 290
Frequency Range (Hz, autosensing)	40 - 70	40 - 70	40 - 70	40 - 70
Input Power Connector	IEC60320 C14	IEC60320 C14	IEC60320 C20	IEC60320 C20
Surge Protection (J)	600	600	600	600
<b>Output AC Parameters</b>				
Output Voltage	220/230 (default) /240	220/230 (default) /240	220/230 (default) /240	220/230 (default) /240
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Output Receptacles	8 x IEC60320 C13	8 x IEC60320 C13	8 x IEC60320 C13	8 x IEC60320 C13 1 x IEC60230 C19
Efficiency (online mode, max.)	89%	89%	89%	91%
Efficiency (ECO mode, max.)	95%	95%	96%	96%
<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%
Backup Time (100% load, minutes)	3.1	3.2	3.2	3.3
Backup Time (50% load, minutes)	9	9	9	9.5
Compatible External Battery Cabinet (RT models only)	GXE3-EBC24VRT2U	GXE3-EBC36VRT2U	GXE3-EBC48VRT2U	GXE3-EBC72VRT2U
<b>Environmental</b>				
Operating Temperature (°C)	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Storage Temperature (°C, without battery inside)	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C	-20°C to +50°C
Relative Humidity (operation, non-condensing)	5% to 95%	5% to 95%	5% to 95%	5% to 95%
Operating Altitude (m), without derating (**)	2000	2000	2000	2000
Audible Noise (line mode)	<53dBA	<53dBA	<53dBA	<53dBA
<b>Agency</b>				
Compliance	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM	CE, CB Report, UKCA, Morocco, RCM
Safety	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1	IEC/EN 62040-1
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	RoHS, REACH, WEEE	RoHS, REACH, WEEE	RoHS, REACH, WEEE	RoHS, REACH, WEEE
<b>Communications and Management</b>				
Slot for optional cards	Yes	Yes	Yes	Yes
Communication port	USB	USB	USB	USB
Emergency Power Off (EPO)	Yes	Yes	Yes	Yes
<b>Warranty</b>				
Warranty (electronics and batteries)	2 years	2 years	2 years	2 years

(\* ) Note: Specific conditions or power derating applies. (\*\* ) Note: up to 3000 m with power derating.

## External Battery Cabinets

Model Number	GXE3-EBC24VRT2U	GXE3-EBC36VRT2U	GXE3-EBC48VRT2U	GXE3-EBC72VRT2U
<b>Dimensions, mm</b>				
Unit (W x D x H)	438 x 410 x 86	438 x 410 x 86	438 x 510 x 86	438 x 630 x 86
Shipping (W x D x H)	560 x 600 x 235	560 x 600 x 235	650 x 600 x 235	600 x 790 x 235
<b>Weight, kg</b>				
Unit	16.2	21.2	28.6	40.8
Shipping	21.1	26.1	34.1	47.2
<b>Agency</b>				
Compliance	CE, CB report, UKCA, Morocco	CE, CB report, UKCA, Morocco	CE, CB report, UKCA, Morocco	CE, CB report, UKCA, Morocco

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MKA4LOUKVLG (R8/24)