

# Vertiv™ Liebert® GXE

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

PNY®

VERTIV™

## 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                              |
|---------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Power Rating (VA/W)                                                       | 1000VA / 900W                             | 1500VA / 1350W                            | 2000VA / 1800W                            | 3000VA / 2700W                            |
| Form Factor                                                               | Tower                                     | Tower                                     | Tower                                     | Tower                                     |
| Dimensions, mm                                                            |                                           |                                           |                                           |                                           |
| 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                           |
| Weight, kg                                                                |                                           |                                           |                                           |                                           |
| 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                          |
| Power Rating (VA/W)                                                       | 1000VA / 900W                             | 1500VA / 1350W                            | 2000VA / 1800W                            | 3000VA / 2700W                            |
| Form Factor                                                               | Rack / Tower (2U)                         | Rack / Tower (2U)                         | Rack / Tower (2U)                         | Rack / Tower (2U)                         |
| Dimensions, mm                                                            |                                           |                                           |                                           |                                           |
| 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                           |
| Weight, kg                                                                |                                           |                                           |                                           |                                           |
| Unit                                                                      | 16.0                                      | 19.6                                      | 22.7                                      | 31.5                                      |
| Shipping                                                                  | 17.6                                      | 21.6                                      | 24.8                                      | 34.2                                      |
| Input AC Parameters                                                       |                                           |                                           |                                           |                                           |
| 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 Surge Protection (J)                                | IEC60320 C14 600                          | IEC60320 C14 600                          | IEC60320 C20 600                          | IEC60320 C20 600                          |
| Output AC Parameters                                                      |                                           |                                           |                                           |                                           |
| 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<br>1 x IEC60230 C19      |
| Efficiency (online mode, max.)                                            | 89%                                       | 89%                                       | 89%                                       | 91%                                       |
| Efficiency (ECO mode, max.)                                               | 95%                                       | 95%                                       | 96%                                       | 96%                                       |
| 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 |
| 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                           |
| Environmental                                                             |                                           |                                           |                                           |                                           |
| 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                                    |
| Agency                                                                    |                                           |                                           |                                           |                                           |
| 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                         |
| Communications and Management                                             |                                           |                                           |                                           |                                           |
| Slot for optional cards                                                   | Yes                                       | Yes                                       | Yes                                       | Yes                                       |
| Communication port                                                        | USB                                       | USB                                       | USB                                       | USB                                       |
| Emergency Power Off (EPO)                                                 | Yes                                       | Yes                                       | Yes                                       | Yes                                       |
| Warranty                                                                  |                                           |                                           |                                           |                                           |
| 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              |
|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Dimensions, mm       |                              |                              |                              |                              |
| 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              |
| Weight, kg           |                              |                              |                              |                              |
| Unit                 | 16.2                         | 21.2                         | 28.6                         | 40.8                         |
| Shipping             | 21.1                         | 26.1                         | 34.1                         | 47.2                         |
| Agency               |                              |                              |                              |                              |
| Compliance           | CE, CB report, UKCA, Morocco | CE, CB report, UKCA, Morocco | CE, CB report, UKCA, Morocco | CE, CB report, UKCA, Morocco |