

Liebert® GXT5 Mixed Voltage UPS, 5000-10000 VA

Intelligent, Efficient Infrastructure Protection



Benefits

Today's accelerating demand for data has led to the proliferation of the edge of IT networks. Visibility and control of these often-dispersed computing facilities can be a challenge without the proper infrastructure.

Fortunately, the Vertiv Liebert® GXT5 UPS operates with high power efficiency making it an ideal solution for ensuring availability of mission-critical applications that are supported by both edge and centralized data centers.

Not only does the mixed voltage models of the Liebert GXT5 come in a compact and flexible rack/tower form factor that can be rapidly deployed, it is an online double conversion UPS solution that offers premium power outage protection and continuous power conditioning.

Additionally, features of the Liebert GXT such as the LCD interface and RDU101 communications card help simplify maintenance and management. The Liebert GXT5 mixed voltage UPS offers:

- Maximum availability
- User-friendly installation and operation
- Longer service life and runtime of batteries
- Optimized energy and capacity management
- Seamless connectivity



Deploy an Intelligent and Efficient UPS for Stress-Free Protection of Your Mission-Critical Applications

The single-phase Liebert GXT5 provides leading UPS technology that is easy to install, configure and operate. Plus, the mixed voltage models come standard with a RDU101 network communications card that enables streamlined asset management, giving data center managers who are responsible for a dispersed computing network more peace of mind.

Key Features:

- High output power factor (1.0)
- LCD with gravity sensing orientation
- Integrated wrap around maintenance bypass standard on all models
- Hot-swappable battery modules
- Optional matching external battery cabinets with auto detection
- Battery health status and replacement prediction
- Remote management capabilities
- High efficiency with online and Active ECO mode
- Energy Star 2.0 certification
- Programmable power outlets
- Compliance with RoHS and REACH regulations
- Integrated dry-contacts with selectable definition
- Automatic internal bypass
- Optional input/output options offer a variety of receptacle configurations

What's in the Box:

- UPS
- Pre-installed Vertiv RDU101 Communications Card (NIC)
- Tower stand
- Four-post rack mounting kit
- Quick start guide
- Safety manual
- Free *Trellis*™ Power Insight management software (downloadable from Vertiv.com)

Power Assurance Package: Comprehensive Service Support for Critical Systems

- **Five-year protection plan** with 100% parts coverage and 24x7 emergency service
- **On-site installation and startup** of UPS and internal batteries (excludes hard-wired applications); configuration of new UPS and accessories; and if purchased, safe removal and disposal of legacy UPS and batteries
- **On-site service support** available 24x7 (within 150 miles of regional service center) and includes 100% labor and travel coverage
- **100% parts coverage** for UPS and includes internal batteries, POD (power output distribution), and web card
- **24x7 access** to customer resolution center and online access to Customer Services Network

Key benefits:

- Hassle-free management of multi-site rollouts
- Frees up time-strapped IT staff by managing and tracking UPS health, maintenance and service
- Reduces the worry of critical equipment downtime
- Ensures rapid recovery in the event of failure (within 24-48 hours)
- Frees you from the responsibility of handling and documenting the disposal of legacy UPS and batteries

Remote Diagnostic Services for Rapid Response

Uptime assurance

- Continuous monitoring for early detection of trends and operating anomalies
- Analysis and interpretation of alarm and status messages

Rapid incident response

- Automatic transmission of data for analysis
- Concurrent diagnosis and dispatch of engineer to site
- Shipment of parts for corrective maintenance

Increased insight and ease of management

- Notification of operating conditions that may impact system health
- Periodic trend and analysis reports
- Integration of remote and on-site services to ensure business continuity

Available Accessories for the Vertiv™ Liebert® GXT5 UPS

Power Output Distribution - GXT5 UPS MV models - 5kVA and 6kVA

| POD model number | Input Connection | Output Connections |
|------------------|------------------|--|
| PD5-001 | Hard Wire | Hard Wire |
| PD5-002 | L14-30P | 1 x L14-30R, 1 x L6-30R, 4 x 5-15/20R T Slot |
| PD5-003 | L14-30P | 2 x L6-20R, 2 x 5-15/20R T Slot |
| PD5-004 | L14-30P | 2 x L6-30R, 4 x 5-15/20R T Slot |
| PD5-005 | L14-30P | 4 x L5-20R, 2 x L5-30R |
| PD5-006 | L14-30P | 4 x L6-20R |
| PD5-L630 | L6-30P | 2 x L6-30R, 2 x L6-20R |

Power Output Distribution - GXT5 UPS MV models - 8kVA and 10kVA

| POD model number | Input Connection | Output Connections |
|------------------|------------------|---|
| PD2-101 | Hard Wire | (8) 5-15/20R T-slot, (2) L6-30R |
| PD2-102 | Hard Wire | (4) 5-15/20R T-slot, (4) L6-20R |
| PD2-103 | Hard Wire | (4) 5-15/20R T-slot, (4) L6-30R |
| PD2-104 | Hard Wire | (4) 5-15/20R T-slot, (2) L6-30R, (2) L6-20R |
| PD2-105 | Hard Wire | (4) 5-15/20R T-slot, (2) L5-30R, (2) L5-20R |
| PD2-106 | Hard Wire | (4) L5-20R, (4) L6-20R |
| PD2-107 | Hard Wire | (4) L5-20R, (4) 5-15/20R T-slot |
| PD2-108 | Hard Wire | (2) L6-30R, (2) L6-20R |
| PD2-109 | Hard Wire | (2) L14-30R |

External battery cabinets and replacement battery kits

| UPS | External Battery Cabinet | Replacement Battery Kits |
|--------------------|--------------------------|--------------------------|
| GXT5-5000MVRT4UXLN | GXT5-EBC144VRT2U | GXT5-144VBATKIT |
| GXT5-6000MVRT4UXLN | GXT5-EBC144VRT2U | GXT5-144VBATKIT |
| GXT5-8000MVRT6UXLN | GXT5-EBC288VRT4U | GXT5-288VBATKIT |
| GXT5-10KMVRT6UXLN | GXT5-EBC288VRT4U | GXT5-288VBATKIT |

Network communications and environmental sensors

| | | |
|----------------------------------|--|---|
| Network Communications | RDU101 | Intellislot web card for SNMP and web management. Supports environmental sensors. |
| Environmental Sensors | SN-Z01 | Integrated cable with single temperature sensor |
| | SN-Z02 | Integrated cable with three temperature sensors |
| | SN-Z03 | Integrated cable with three temperature and one humidity sensors |
| | SN-T | Modular with single temperature sensor |
| | SN-TH | Modular with single temperature and single humidity sensor |
| | SN-2D | Modular with two door contact inputs |
| | SN-3C | Modular with three dry contact inputs |
| | SN-L20 | Modular leak zone sensor with 20 foot cable (Liebert RDU-S only) |
| UPS manageability options | Trellis™ Power Insight Software Management | Trellis™ Power Insight is a complimentary web-based software designed to monitor up to 100 Vertiv™ UPSs and rPDUs |

GXT5 UPS 5kVA and above — extended warranty options

| Extended Warranty SKU | Description | UGXT5 UPS model |
|-----------------------|--------------------------|---------------------------------|
| 2WEGXT-5KMV | 2 Year Extended Warranty | For GXT5-5000MVRT4UXLN |
| 2WEGXT-6KMV | 2 Year Extended Warranty | For GXT5-6000MVRT4UXLN |
| 2WEGXT-8KMV | 2 Year Extended Warranty | For GXT5-8000MVRT6UXLN |
| 2WEGXT-10KMV | 2 Year Extended Warranty | For GXT5-10KMVRT6UXLN |
| 2WEGXT-144VBATT | 2 Year Extended Warranty | For Liebert GXT5 144V EBC |
| 2WEGXT-288VBATT | 2 Year Extended Warranty | For Liebert GXT5 288V EBC |
| 2WEGXT-6KPD5 | 2 Year Extended Warranty | 5-6kVA Liebert GXT5 Micro PODS |
| 2WEGXT-10KPD5 | 2 Year Extended Warranty | 8-10kVA Liebert GXT5 Micro PODS |

Installation kit

| Model Number | Description |
|---------------|---|
| 4UTELECOMRKIT | Center Mount brackets for 19" wide telecom/relay racks |
| RMKIT18-32 | All GXT4 500 thru 3000VA models (racks with 18" - 32" deep support rails) |
| RS500 | Flush-mount shelf for 19" wide telecom/relay racks |
| RS600 | Center-mount shelf for 19" wide telecom/relay racks |
| RS700 | Flush-mount shelf for 23" wide telecom/relay racks |
| RS800 | Center-mount shelf for 23" wide telecom/relay racks |

Service offering

| Model Number | Description |
|--------------|-------------|
| | |
| | |
| | |

Technical Specifications Mixed Voltage

| | GXT5-5000MVRT4UXLN | GXT5-6000MVRT4UXLN | GXT5-8000MVRT6UXLN | GXT5-10KMVRT6UXLN |
|----------------|--------------------|--------------------|--------------------|-------------------|
| Ratings (VA/W) | 5000 VA/5000 W | 6000 VA/6000 W | 8000 VA/8000 W | 10000 VA/10000 W |

Dimensions, inches (mm)

| | | | | |
|----------------|--|--|---|---|
| Unit W x D x H | 16.9 x 25.6 x 6.8 (430 x 650 x 173) | 16.9 x 25.6 x 6.8 (430 x 650 x 173) | 16.9 x 25.6 x 10.2 (430 x 650 x 261) | 16.9 x 25.6 x 10.2 (430 x 650 x 261) |
|----------------|--|--|---|---|

Weight, pounds (kg)

| | | | | |
|------|------------|------------|-------------|-------------|
| Unit | 125.6 (57) | 125.6 (57) | 224.8 (102) | 224.8 (102) |
|------|------------|------------|-------------|-------------|

Input AC Parameters

| | | | | |
|------------------------------|---|---|---|---|
| Operating Frequency, Nominal | 50 or 60 Hz | 50 or 60 Hz | 50 or 60 Hz | 50 or 60 Hz |
| Range | 176 - 280 VAC | 176 - 280 VAC | 176 - 280 VAC | 176 - 280 VAC |
| Input Power (Standard) | Hard-wired terminal block 3W + G (L-L-N-G) | Hard-wired terminal block 3W + G (L-L-N-G) | Hard-wired terminal block 3W + G (L-L-N-G) | Hard-wired terminal block 3W + G (L-L-N-G) |

Output AC Parameters

| Output Receptacles (Optional POD's Available) | Hardwire | Hardwire | Hardwire | Hardwire |
|--|---|---|---|---|
| User selectable output (Typical) 208V and 120V | 120, 180, 240 degrees, auto-sensing on initial application of input AC | 120, 180, 240 degrees, auto-sensing on initial application of input AC | 120, 180, 240 degrees, auto-sensing on initial application of input AC | 120, 180, 240 degrees, auto-sensing on initial application of input AC |
| Output wave form on Battery | Pure Sine wave | Pure Sine wave | Pure Sine wave | Pure Sine wave |
| Utility (AC) Mode Overload | 105% to 125% for 5 minutes 125% to 150% for 60 seconds >150% (impact load) minimum 200 ms | 105% to 125% for 5 minutes 125% to 150% for 60 seconds >150% (impact load) minimum 200 ms | 105% to 125% for 5 minutes 125% to 150% for 60 seconds >150% (impact load) minimum 200 ms | 105% to 125% for 5 minutes 125% to 150% for 60 seconds >150% (impact load) minimum 200 ms |

Battery

| Type | Valve-regulated, non-spillable, flame-retardant, lead acid | Valve-regulated, non-spillable, flame-retardant, lead acid | Valve-regulated, non-spillable, flame-retardant, lead acid | Valve-regulated, non-spillable, flame-retardant, lead acid |
|---|--|--|--|--|
| Backup Time (100% Load) | 4.5 Minutes | 3.5 Minutes | 6.5 Minutes | 4.5 Minutes |
| Backup Time (50% Load) | 12.5 Minutes | 9.5 Minutes | 17 Minutes | 12.5 Minutes |
| +1 External Battery Cabinet (100% Load) | 12.5 Minutes | 9.5 Minutes | 17.5 Minutes | 13 Minutes |
| +1 External Battery Cabinet (50% Load) | 33 Minutes | 25.5 Minutes | 45 Minutes | 33.5 Minutes |

Environmental Requirements

| | | | | |
|--------------------------------|---|---|---|---|
| Operating Temperature, °F (°C) | +32 to +104 (0 to 40) (no derating) | +32 to +104 (0 to 40) (no derating) | +32 to +104 (0 to 40) (no derating) | +32 to +104 (0 to 40) (no derating) |
| Storage Temperature, °F (°C) | +5 to +104 (-15 to 40) | +5 to +104 (-15 to 40) | +5 to +104 (-15 to 40) | +5 to +104 (-15 to 40) |
| Relative Humidity | 0% to 95%, non-condensing | 0% to 95%, non-condensing | 0% to 95%, non-condensing | 0% to 95%, non-condensing |
| Operating Elevation | Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating | Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating | Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating | Up to 10,000 ft (3,000 m) at 77°F (25°C) without derating |
| Audible Noise | <50 dBA, at 3.2 ft (1 m) from the front and sides, <55 dBA, at 3.2 ft (1 m) from rear | <50 dBA, at 3.2 ft (1 m) from the front and sides, <55 dBA, at 3.2 ft (1 m) from rear | <50 dBA, at 3.2 ft (1 m) from the front and sides, <55 dBA, at 3.2 ft (1 m) from rear | <50 dBA, at 3.2 ft (1 m) from the front and sides, <55 dBA, at 3.2 ft (1 m) from rear |

Agency

| | | | | |
|----------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Surge Immunity | IEEE/ANSI C62.41 Category A & B | IEEE/ANSI C62.41 Category A & B | IEEE/ANSI C62.41 Category A & B | IEEE/ANSI C62.41 Category A & B |
| Transportation | ISTA Procedure 1E | ISTA Procedure 1E | ISTA Procedure 1E | ISTA Procedure 1E |
| Safety | UL1778, c-UL listed | UL1778, c-UL listed | UL1778, c-UL listed | UL1778, c-UL listed |
| Emissions | FCC Part 15 (Class A) | FCC Part 15 (Class A) | FCC Part 15 (Class A) | FCC Part 15 (Class A) |

Warranty

| | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | Std. 3 year; Opt. 2 year | Std. 3 year; Opt. 2 year | Std. 3 year; Opt. 2 year | Std. 3 year; Opt. 2 year |
| Market leading warranty offering of 3-year standard warranty on electronics and batteries | | | | |

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