



Liebert® GXT MT+ CX

1–3 kVA UPS

Compact, Efficient & Reliable
Power For Mission-Critical
Applications





Vertiv brings together hardware, software, analytics and ongoing services to ensure its customers' vital applications run continuously, perform optimally and grow with their business needs.

Vertiv solves the most important challenges facing today's data centers, communication networks and commercial and industrial facilities with a portfolio of power, cooling and IT infrastructure solutions and services that extends from the cloud to the edge of the network.

Vertiv™

Architects of Continuity™

With a unique combination of industry expertise, technology, and resources, our mission is to support and power mission-critical technologies that drive possibility.

Services and Software

Solutions

Large Infrastructure

AC Power, DC Power, Energy Storage, Industrial Solutions, Thermal

IT and Edge Infrastructure

Edge Systems, IT Systems, Rack, Rack PDU, Rack Thermal, Rack UPS

Chloride®

Industrial Power

Our global industrial power solutions meet the most demanding technical specifications and provide safe, reliable power- no matter the challenge

Liebert®

AC Power and Thermal

Our global power and thermal management solutions are some of the world's most efficient and reliable power and cooling technologies

NetSure™

DC Power

Our global intelligently engineered DC power systems deliver high availability, energy efficiency and scalability for converged networks



In this ever-changing dynamic world, the days of basic power protection are passé. In today's Internet-centric era, business continuity is vital and companies cannot afford downtime for their critical systems or waste time recovering the systems after a disruption. Therefore, there is a need for a power-integrated UPS, which offers flexible protection for various applications areas such as data networks, compact data center rooms, voice networks, cellular sites, process automation systems, and micro-control rooms among other edge applications.

Our solution

Liebert® GXT MT+ CX is a sleek, high frequency, double-conversion UPS with wide input voltage/frequency and better output voltage regulation, which makes it an ideal choice for harsh environments, especially those facing concerns related to unstable mains output and high load impact. This advanced UPS provides higher availability while offering intelligent monitoring and network management functions.

The ultimate level of engineering and dynamics that have gone beyond the development of this next-generation UPS make it a high performance system with proven reliability, giving you ultimate peace of mind.

Liebert® GXT MT+ CX



Applications

- Data Network: Mid - range Servers (Windows and Linux), Wi-Fi Applications & Data networks
- Small Data Center Rooms
- Voice Networks: Cellular Sites, Voice Over IP (VOIP), Very small Aperture Terminals (VSAT) PBX And IT-enabled PBX Automation industries
- Process Automation Equipment: Programmable Logic Controllers (PLS) and Cash Machines (ATM)

Liebert® GXT MT+ CX 1–3kVA



The Liebert® GXT MT+ CX UPS facilitates reliable & uninterrupted power even in stringent conditions with integrated input power factor correction, low THDi, and advanced frequency regulation in a compact footprint.

Our solution

- IGBT-based Rectifier
- True on-line double-conversion efficiency (up to 90%) with DSP Control Technology for high Performance & reliability
- Active Input Power Factor Correction 0.99; 0.9 Output Power Factor
- Ultra-wide Input Voltage window: 280VAC; works well in harsh conditions and suitable for very poor quality power grid
- Generator-compatible with a wide Input Frequency range (40Hz–70Hz)
- Built-in 50/60 Hz automatic frequency converter and a configurable output voltage (200, 208, 220, 230, up to 240 Vac)

Intelligent Management Functions

- Remote Monitoring is available via the USB/RS232 ports; alternatively, dry contacts and SNMP are optional methods; supports TCP/IP with event logs and analysis function.
- Self-diagnosis and protection enable the auto shutdown of the client terminal or server under abnormal mains supply or when the battery is over discharged; Extended Run Time is facilitated through a simple process of building up additional battery resources.
- SNMP Management Card (optional) allows remote monitoring via RJ45 connection ports; allows the management of several UPS systems via the Internet; Real-time dynamic graphs of the UPS data, warning notifications via audible alarms, broadcast, mobile

Runtime Chart

Model	25%	50%	75%	100%
1kVA	20	9	5	3
2kVA	25	10	6	3
3kVA	26	10	6	3

This transformer-free UPS, with a fault-tolerant design, ensures mission-critical continuity, while providing clean and consistent power protection in unpredictable environments.

Technical Specifications (Standard Model)

Model	GXT-1000MTPLUSC230		GXT-2000MTPLUSC230		GXT-3000MTPLUSC230		
Capacity	1000 VA / 900 W		2000 VA / 1800 W		3000 VA / 2700 W		
Input							
Voltage Range	Low Line Transfer	180VAC/160VAC/140VAC/120VAC±5% (Ambient Temp.<35°C) (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)					
		Low Line Comeback	195VAC/175VAC/155VAC/135VAC ± 5 % (Ambient Temp.<35°C) (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)				
			High Line Transfer	300 VAC ± 5 %			
	High Line Comeback	290 VAC ± 5 %					
	Frequency Range	40Hz ~ 70 Hz					
Phase	Single phase with ground						
Power Factor	≥ 0.99 @ nominal voltage (input voltage)						
Output							
Output Voltage	208/220/230/240VAC						
Output Power Factor	0.9						
AC Voltage Regulation	±1% (Battery Mode)						
Frequency Range	47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)						
Frequency Range (Battery Mode)	50 Hz ± 0.5% or 60Hz ±0.5%						
Overload	Ambient Temp.<35°C 105%~110%: UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal 110%~130%: UPS shuts down after 1 minute at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal						
Current Crest Ratio	3:1						
Harmonic Distortion	≤ 3 % THD (linear load); ≤ 6 % THD (non-linear load)						
Transfer Time	AC Mode to Batt. Mode	Zero					
	Inverter to Bypass	4 ms (Typical)					
Waveform (Battery Mode)	Pure Sinewave						
Efficiency							
AC Mode	88%		89%		90%		
Battery Mode	83%		87%		88%		
Battery							
Battery Type	VRLA 12 V / 9 AH						
Battery Numbers	2		4		6		
Recharge Time	4 hours recover to 90% capacity (Typical)						
Charging Current	1.0 A (max.)						
Charging Voltage	27.4 VDC ± 1%		54.7 VDC ± 1%		82.1 VDC ± 1%		
Physical							
Dimension, D × W × H, mm	282 × 145 × 220		397 × 145 × 220		421 × 190 × 318		
Net Weight (kgs)	9.8		17		27.6		
Environment							
Operation Humidity	20–90% RH @ 0–40°C (non-condensing)						
Noise Level	Less than 45dBA @ 1 Meter						
Management							
Smart RS-232 or USB	Supports Windows® 2000/2003/XP/Vista/2008/7, Linux, Unix and MAC						
Optional SNMP	Power management from SNMP manager and web browser						
Agency							
Compliance	CE, RoHS, WEEE						

* Derate capacity to 80% of capacity in Frequency converter mode or when the output voltage is adjusted to 208VAC.

**Product specifications are subject to change without further notice.

Technical Specifications (Long-run Model)

Model	GXT-1000LMTPLUSC230		GXT-2000LMTPLUSC230		GXT-3000LMTPLUSC230	
Capacity	1000 VA / 800 W		2000 VA / 1600 W		3000 VA / 2400 W	
Input						
Voltage Range	Low Line Transfer		85VAC/75VAC/65VAC/55VAC±5% or 160VAC/140VAC/120VAC/110VAC±5% (Ambient Temp.<35°C) (based on load percentage 100%–80% / 80%–70% / 70–60% / 60%–0)			
	Low Line Comeback		95VAC/85VAC/75VAC/65VAC or 175VAC/155VAC/135VAC/125VAC ± 5% (Ambient Temp.<35°C) (based on load percentage 100%–80% / 80%–70% / 70–60% / 60%–0)			
	High Line Transfer		145 VAC ± 5% or 300 VAC ± 5%			
	High Line Comeback		140 VAC ± 5% or 290 VAC ± 5%			
	Frequency Range		40Hz ~ 70 Hz			
Phase		Single phase with ground				
Power Factor		≥ 0.99 @ nominal voltage (input voltage)				
Output Capacity						
Output voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC				
AC Voltage Regulation		±1% (Batt. Mode)				
Frequency Range		47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)				
Frequency Range (Battery Mode)		50 Hz ± 0.25 Hz or 60 Hz ± 0.3 Hz Ambient Temp.<35°C				
Overload		105%~110%: UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal 110%~130%: UPS shuts down after 1 minute at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal				
Current Crest Ratio		3:1				
Harmonic Distortion		≤ 3% THD (linear load); ≤ 6% THD (non-linear load)				
Transfer Time	AC Mode to Batt. Mode		Zero			
	Inverter to Bypass		4 ms (Typical)			
Waveform (Battery Mode)		Pure Sinewave				
Efficiency						
AC Mode		88%		89%		90%
Battery Mode		83%		87%		88%
Battery						
Battery Numbers		3		6		6
Charging Current		1.0A/2.0A/4.0A/6.0A (adjustable through the jumper settings on charger board)				
Charging Voltage		41.0 VDC ± 1%		82.1 VDC ± 1%		82.1 VDC ± 1%
Physical						
Dimension, D × W × H, mm		282 × 145 × 220		397 × 145 × 220		
Net Weight (kgs)		4.1		6.8		7.4
Environment						
Operation Humidity		20–90% RH @ 0–40°C (non-condensing)				
Noise Level		Less than 50dBA @ 1 Meter				
Management						
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC				
Optional SNMP		Power management from SNMP manager and web browser				
Agency						
Compliance		CE, RoHS, WEEE				

* Derate capacity to 80% of capacity in Frequency converter mode or when the output voltage is adjusted to 200VAC/208VAC or when the ambient temperature from 40°C to 50°C.
 **Product specifications are subject to change without further notice.



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Liebert®-GXT-MT+CX-1-3kVA-BR-AP | 092622



Liebert®

GXT MT+ CX 16A

1000VA-3000VA





We helped some of the largest names in the industry bring new capacity online faster and at a lower cost when search and social media increased demand for storage and computing.



We were the first to introduce an integrated enclosure system to distributed networks.



Our portfolio spans power, thermal and infrastructure management products, software and solutions.

Protecting your critical technologies takes more than just great software and equipment. It takes a level of experience that only comes from years of finding solutions when the industry needed them most. We were the first to protect mainframes with precision cooling systems.



And now as challenges and demands grow, we continue to find better ways to help you strengthen your most vital applications. Formerly the Network Power business of Vertiv, we've brought together the most trusted and experienced names in critical infrastructure.



Complemented by a network of nearly 250 service centers worldwide. It's a combination of experience and resources that allow us to better adapt to what's needed, anticipate what's next and continue to find solutions in ways other companies simply can't.



For robust UPS protection up to 3kVA, the Liebert® GXT MT+ CX 16A UPS Provides industry leading features in a compact design:

- On-line design means zero transfer time. When utility power fails, your critical load remains supported by a seamless flow of power.
- Highest level of protection available in this capacity range.
- Selectable Eco-Mode allows improved energy efficiency.
- Easy serviceability with replaceable.
- Intelligent ready networking.

Ideally suited for:

- Mission critical applications and systems
- Network Workstations
- Servers
- IDF/Network closets
- Large network peripherals
- VoIP
- Workstations

Intelligent, Reliable UPS Protection

Liebert® GXT MT+ CX 16A is a true on-line UPS that delivers continuous, high-quality AC power to connected equipment with no interruption when transferring to battery. It provides protection from blackouts, Brownouts, sags, surges or noise interference.

Liebert® GXT MT+ CX 16A is a full feature Transformer free UPS designed to offer compact, efficient and reliable solution to modern electronic gadgets. It features True Double Conversion On Line back up Power Solution for Small Data Centre, Data Networks, Voice Networks and Process automation equipments.

Liebert® GXT MT+ CX 16A provides customers with a reliable source of uninterruptible power even in harsh power environments, including very wide input voltage/frequency window, Better output voltage regulation, Frequency regulation, internal bypass, and input power factor correction and low THDi.



The Liebert® GXT MT+ CX 16A UPS package includes everything you need for a fast and easy installation:

- UPS
- Tower stands
- Hardware
- CD with software and manuals
- Convenient lifting straps



Liebert® GXT MT+ CX 16A

1000VA-3000VA



FLEXIBILITY:

Inbuilt 1100W charger

Inbuilt 1100W Charger and settable as per the battery capacity and compatible to Tubular battery also.

Advanced LCD Display Panel.

New Graphical Display which Display UPS Parameters, Fault Codes, Alarms Fault Type is clearly mentioned on the display for fast diagnostic.

Automatic Frequency Sensing

The UPS automatically adjusts to the input frequency, 50Hz or 60Hz, and can also be programmed to convert from one to the other.

Intelligent Communications

SNMP, Modbus, dry contact card, Inbuilt RS232 and USB.



Power Assurance Package

Provides Comprehensive On-site services, One-year protection plan with 100% parts coverage and 7x24 emergency service.

On-Site installation and startup

To provide pain-free multi-site rollout management and free you from hazardous material disposal in your existing UPS, when applicable.

On-site service support

To free up time-strapped IT resources.

Preventative Maintenance

To reduce the worry of downtime and ensure rapid recovery.

THE PROVEN RELIABILITY OF TRUE ON-LINE OPERATION WITH THE FEATURES YOU NEED MOST

Liebert® GXT MT+ CX 16A UPS provides the capabilities often found only in larger systems. Get up to 3 kVA of capacity and battery backup. External battery cabinets may be added for extended run time.

Liebert® GXT MT+ CX 16A UPS is a true on-line power source, which means power is always being conditioned and supplied to the connected device(s), whatever the quality of power coming in, a pure sine wave output results to ensure equipment is protected.

Liebert GXT MT+ CX 16A UPS includes:

- Front end IGBT based rectifier
- Power factor correction
- Frequency conversion
- Eco mode
- Inbuilt Over Voltage Cut-off Device (OVCD)
- Internal automatic bypass to protect against adverse conditions
- Support for up to 160 AH external battery cabinets

Full protection from damaging power problems.



Outages



Sags



Surges



Spikes



Noise



Transient



Frequency Deviation



Under-Voltage

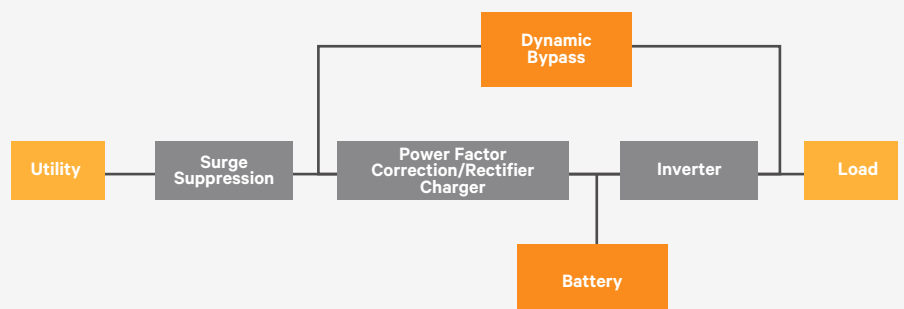


Over-Voltage



Harmonics

On-line, Double Conversion UPS Protection for Critical Applications



FEATURES AND PERFORMANCES

- IGBT Based Rectifier
- True Online Double Conversion with DSP Control Technology for High Performance and Reliability.
- New Graphical LCD Display Provides UPS Data, Alarms and Helps in faults diagnostic and trouble shooting.
- Double Conversion Efficiency upto 92%.
- Active Input Power Factor Correction 0.99.
- 0.8 Output Power Factor.
- Wide Input Voltage window (110 – 280Vac) for Indian Environmental Condition and for Optimized Battery Performance.
- Configurable Output Voltage (200/208/220/230/240Vac.)
- Generator Compatible with Wide Input
- Frequency Range (40 Hz-70 Hz).
- 8 Stage Extendable Charging Design for optimized Battery Performance.
- Adjustable Battery Charging Current 2/4/6/8/10/12/14/16 Amps according to Battery Capacity Rating.
- 50/60 Hz Automatic Frequency Converter Mode.
- Intelligent Monitoring with Standard RS232/USB Port Plus Slot Available for RS485/ Dry Contact/SNMP Card.
- Inbuilt OVCD (Over Voltage Cut-off device)



HIGH AVAILABILITY:

Advance Early Warning of UPS System Status

Multiple audible and visual alarms immediately alerts you to critical issues.

Overload Capability

Designed to handle output overload conditions.

Power-Factor Correction

Prevents noise, harmonics and distortion from being passed on to connected loads or from being fed back to the utility.

Internal Automatic Bypass Capability

Assures continuity of power to critical loads at all times.

Intelligent Battery Management

Includes efficient Eight-stage charging technique and comprehensive discharging protection that extends battery life.

Input Circuit Breaker

Provides increased protection to ease recovery from overloads.

LOW TOTAL COST OF OWNERSHIP:

High Output Power Factor

Liebert GXT MT+ CX 16A UPS rated output power factor up to 0.8 better matches switch-mode power supplies used in today's IT equipment, providing more efficient utilization of the UPS.

Selectable ECO-Mode

Connected equipment can be powered through the bypass while the inverter remains idle, reducing electricity consumption.

Wide Input Voltage Window

Prolongs battery life by allowing the UPS to maximize the use of utility power before transferring to battery when input voltage exceeds specified limits.

Intelligent Fan Operation

Automatically changes rotation speed depending on system requirements to decrease power consumption and noise.

Warranty Protection

The industry's best warranty – No-hassle two-year warranty with advanced UPS replacement in the event of problems. Shipping is free for both original UPS return and the replacement unit. Optional one-year and three-year extensions also available.

INTELLIGENT MANAGEMENT FUNCTIONS

- Remote Monitoring is available through USB/RS232 and optional via dry contacts and SNMP. The monitoring option software support TCP/IP with event log and analysis function.
- Self-diagnosis and protection enable the auto shutdown of the client terminal or server auto shutdown of the client terminal or server under abnormal mains supply or when battery is over discharged.
- SNMP Manager Card with advanced viewpower Software (Optional): allows remote monitoring thro' Rj45 & manages multiple UPS from anywhere thro' internet. Data logging Real time dynamic graphs of UPS data, warning notification via audible alarm, broadcast, mobile message, e-mail & SNMP traps. Also supports optional environmental monitoring detector for temperature, humidity and smoke. Password security protection and remote access management.

COMMUNICATION AND OPTIONS

Advanced LCD Display.

New Graphical Display which Display UPS Parameters, Fault Codes, Alarms Fault Type is clearly mentioned on the display for fast diagnostic. LCD display Provides Maximum operational Convenience while Managing the UPS.

Flexible Configuration

Extended Run Time ready facilitated through a simple process of building up additional battery resources.

Multiple AC output interfaces via IEC standard sockets with programmable output.

SNMP Card

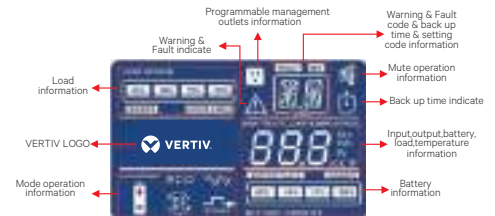
Network Monitoring SNMP Card, Used for Remote TCP/IP Web Monitoring, Supporting Remote Shutdown.

Dry Contact Card

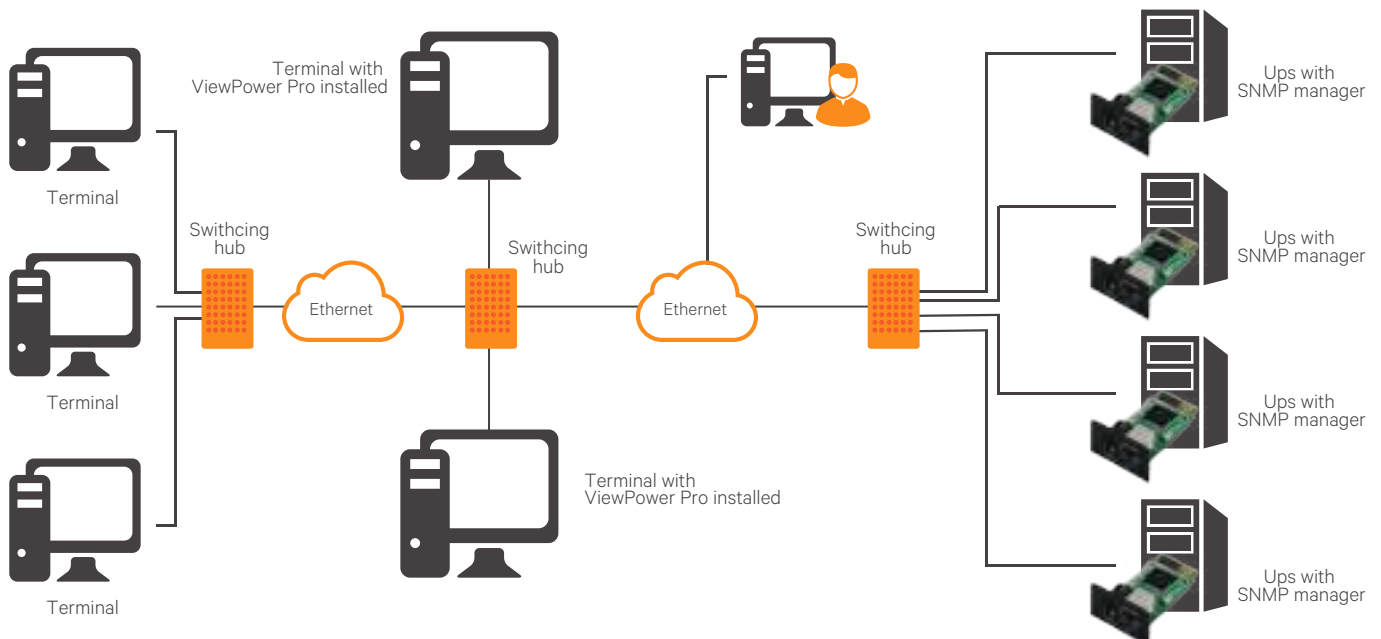
Dry Contact for UPS, Providing Four Relay signal Output.

ModBus Card

Select it when UPS Needs to communicate with Building Management System.



LCD Display of Liebert GXT=MT+



Technical Specifications

Model		GXT MT+ CX 16A	GXT MT+ CX 16A	GXT MT+ CX 16A
PHASE		Single phase with ground		
CAPACITY*		1000VA/ 800W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT Parameters				
Nominal Voltage		200/208/220/230/240VAC		
Input Voltage Range		110-280 VAC (Based on load at 50%)		
Frequency Range		40Hz ~ 70 Hz		
Power Factor		≥0.99 @ Nominal Voltage (100% load)		
OUTPUT Parameters				
Output Voltage		200/208/220/230/240VAC		
Voltage Regulation		± 1%		
Frequency Range (Synchronized Range)		47— 53 Hz or 57 — 63 Hz		
Frequency Range (Batt. Mode)		50 Hz or 60Hz ± 0.1 Hz		
Current Crest Ratio		3:01		
Harmonic Distortion		≤3 % THD (Linear Load)		
Transfer Time	AC to DC	Zero		
	Inverter to Bypass	4 ms (Typical)		
	Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY				
To AC Mode		90%	92%	92%
To Battery Mode		85%	87%	88%
BATTERY Parameters				
Long-run Model*	Battery Type	Depending on the capacity of external batteries		
	Numbers	3	6	6
	Charging Current (max.)	2.0A/4.0A/6.0 A/8.0/10.0/12.0/14.0/16.0A by default		
	Charging Voltage	41.0VDC ± 1%	82.1 VDC ±1%	82.1 VDC ±1%
INDICATORS				
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
PHYSICAL				
Long-run Model*	Dimension, DxWxH (mm)	282 x 145 x 333		397 x 145 x 333
	Net Weight (kgs)	5.6	9	9.8
ENVIRONMENT				
Humidity		0-95 % RH @ 0- 50°C (non-condensing)		
Noise Level		Less than 45dBA @ 1 Meter		
MANAGEMENT				
Smart RS-232/USB		Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

* Derate to 80% of capacity in Frequency converter mode, the output voltage is adjusted to 100/200/208VAC and the ambient temperature between 45° to 50°.

** Product specifications are subjected to change without further notice



VertivCo.com | E-mail : marketing.india@vertivco.com | Toll free : 1-800-2096070

Vertiv Energy Private Limited | Plot C-20, Rd No.19, Wagle Ind Estate, Thane (W), 400604. India

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Liebert™

GXT MT+
6/10/20 kVA



Liebert GXT MT+

6 kVA - 20 kVA 1x1 / 3x1 UPS System



FEATURES

- IGBT Based Rectifier
- True Online Double Conversion with DSP Control Technology for High Performance and Reliability.
- New Graphical LCD Display Provides UPS Data, Alarms and Helps in faults diagnostics and trouble shooting.
- Double Conversion Efficiency upto 90%.
- Active Input Power Factor Correction 0.99.
- 0.8 Output Power Factor.
- Wide Input Voltage window (110 - 280 Vac) for Indian Environmental Condition and for Optimized Battery Performance.
- Configurable Output Voltage (200/208/220/230/240 Vac.)
- Generator Compatible with Wide Input Frequency Range (40 Hz-70 Hz).
- 4 Stage Extendable Charging Design for optimized Battery Performance.
- Adjustable Battery Charging Current 1/2/4/6 Amps according to Battery Capacity and Rating.
- 50/60 Hz Automatic Frequency Converter Mode.
- Intelligent Monitoring with Standard RS232/USB Port Plus Slot Available for RS485/Dry Contact/SNMP Card.
- Inbuilt OVCD.

True Online Double Conversion UPS with optional built - in galvanic isolation & with extended runtime capabilities

Liebert GXT MT+ Series systems is true double conversion online UPS systems designed to provide with a capacity of 6/10/20 kVA. Liebert GXT MT+ units feature total isolation of the load from the mains - isolating input and output sections, and making the systems ideal for Data Networks / Small Data Centers/VOIP Applications application. The units support hot standby configuration, making them suited for critical applications like banks.



Liebert GXT-MT+ 6 & 20 kVA

Liebert GXT MT+

6 kVA - 20 kVA 1x1 / 3x1 UPS System



MODEL		GXT MTX+ 06 kVA	GXT MT+ 06 kVA	GXT MT+ 10 kVA	GMT MT+ 10KVA	GMT MT+ 20KVA
PHASE		1 phase in / 1 phase out			3 phase in / 1 phase out	
CAPACITY		6000 VA/4800 Watt	6000 VA/4800 Watt	10000 VA/8000	10000 VA / 9000 W	20000 VA / 18000 W
INPUT Characteristics						
Nominal Voltage		230 Vac (1 Ph+ N)			3 x 400 VAC (3Ph+N)	
Voltage Range		160 Vac-300 Vac (1-phase) @ 100% load			305-478 VAC (3-phase) @ 100% load	
Frequency Range		46~54 Hz or 56~64Hz				
Power Factor		≥ 0.99 @ 100% load				
THDi		< 6% @ 100% load				
OUTPUT Characteristics						
Output Voltage		208 **/220/230/240VAC				
AC Voltage Regulation (Batt. Mode)		± 1%				
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz				
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio		3:1 (max.)				
Harmonic Distortion		</=3% THD(Linear load), </=7% THD(Non linear load)	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode			zero		
	Inverter to Bypass			zero		
Waveform (Batt. Mode)		Pure Sinewave				
AC Mode Efficiency		>84%	91%		>92%	>92%
ECO Mode Efficiency		97%				
BATTERY Characteristics						
Battery Type		SMF			SMF or Tubular	
Numbers		16-20*** (adjustable)			18-20**** (adjustable)	
Charging Current (max.)		6 Amps settable to 1/2/3/4/5/6 Amps			12A settable to 2/4/6/8/10/12 Amps	
Charging Voltage		273 VDC ± 1% (Based on 20pcs bateries)				
INDICATORS						
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
ALARM						
Battery Mode		Sounding every 4 seconds				
Low Battery		Sounding every second				
Overload		Sounding twice every second				
Fault		Continuously sounding				
PHYSICAL						
Dimension, D X W X H (mm)		369 X 190 X 630	369 x 190 x 318	442 x 190 x 318	592 X 250 X 576	592 x 250 x 826
Net Weight (kgs)		72	21	23	28	45
ENVIRONMENT						
Operation Humidity		0-95 % RH @ 0- 40°C (non-condensing)				
Noise Level		< 65 dB @ 1 meter	< 55 dB @ 1 meter		< 58dB @ 1 Meter	< 60dB @ 1 Meter
MANAGEMENT						
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC				
Optional SNMP		Power management from SNMP manager and web browser				

* Product specifications are subject to change without further notice

**Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC

*** *When using batteries from 16-19, the unit will be de-rate according to formula ; P= Prating X N/20

**** *When using batteries from 18-19, the unit will be de-rate according to formula ; P= Prating X N/20



VertivCo.com | E-mail : marketing.india@vertivco.com | Toll free : 1-800-2096070

Vertiv Energy Private Limited | Plot C-20, Rd No.19, Wagle Ind Estate, Thane (W), 400604. India

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Liebert® GXTMT+ LX (3 X 3)

10 kVA

Powerful and Robust UPS



Key Features

- True Online Double-conversion UPS
- Embraces the latest DSP processor which guarantees high performance
- Output power factor 0.9
- Active input power factor correction in all phases
- 50 Hz/60 Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power-off function (EPO)
- Generator compatible
- Multiple communication ports (SNMP+USB+RS-232) for remote monitoring and management
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers for long-run model
- Integrated Maintenance Bypass Breaker
- Scalable up to 40 kVA
- Caster wheels for easy repositioning

The Liebert® GXTMT+ LX (3 X 3) is a True Online Double-conversion UPS with extended runtime capabilities which offers multi-layer power protection and provides continuous reliable power to your mission critical loads.

Description

The Liebert® GXTMT+ LX (3 X 3) is designed to be the most compact and reliable UPS. It's best-in-class efficiency, robustness, and simplified installation & operations offers protection and continuous power to your mission-critical infrastructure.

The ultimate level of engineering and dynamics that have gone beyond the development of this UPS makes it a high performance system with proven reliability, giving you ultimate peace of mind.



Application



- Monitoring System
- Signaling System
- Communication System
- Emergency Command System



- Computing Servers
- Network Switches
- Storage Devices
- Workstations



- ATM Machine
- POS System
- Vending Machine
- Large LED Screen



- Signal System
- Ticket Vending Machine
- PLC Automation Devices
- Scientific Instrument

Technical Specifications

MODEL	GXTMT+ 10 kVA LX (3 X 3)	
Rating	10 kVA/9 kW (3 in - 3 out)	
System Parameter	Technology	IGBT based double conversion PWM based online UPS
	Parallel Mode	3 UPS
	Installation Mode	Tower
Input	Rated Voltage	400 VAC 3-phase, 4-wire
	Voltage Range	Three phase 305 VAC - 520 VAC
	Rated Frequency	50 Hz/60 Hz
	Input THDi	<5%(1)
	Frequency Range	46 Hz to 54 Hz, 56 Hz to 64 Hz
	Power Factor	0.99
Output	Rated Power	10 kVA/9 kW
	Voltage	Three Phase 400 VAC, 50 Hz
	Frequency Synchronization Range	Rated frequency±4 Hz. Configurable range: ±0.5 Hz ~ ±5 Hz
	Rated Power Factor	0.9
	Crest Factor	3:1
	Output THDv	< 2% linear load and 5% for non linear load
	Voltage Regulation	1%
	Dynamic response Recovery Time	60 ms
	Inverter Overload Capability on Utility Mode	100% to 110% - 10 min, 110 - 130% -1 min, >130% - 1 sec
Bypass	Inverter Overload Capability on Battery Mode	100% to 110% - 30 sec, 110 - 130%-10 sec, >130% - 1 sec
	Separate Bypass	Yes
	Maintenance Bypass	Inbuilt
Efficiency	Static Bypass	Inbuilt
	ECO Mode	96%
	Online Mode (AC-AC)	>91%
Battery	Inverter Efficiency (DC-AC)	>86%
	Type	Sealed, lead-acid, Tubular, Li-ion
	No's of Batteries	18(2) - 20
Transfer Time	Battery Charging Capacity	12 A
	Mains - Battery	4 ms
	Inverter - Bypass	Synchronous transfer: ≤0 ms, Asynchronous transfer (default): ≤20 ms
Noise	<60 db	
Panel Display Mode	LCD display	
Environmental Parameter	Operating Temperature	0 °C to 40 °C
	Storage Temperature	-15 to 65 °C (excluding battery), -0 to 35 °C (including battery)
	Relative Humidity	5% RH ~ 95% RH, non-condensing
	Altitude	1000 m
Mechanical Parameter	W X D X H (mm)	250 X 592 X 826
	Weight (Kg)	38
	Ventilation	Forced -air cooled
	Ingress Protection Level	IP20
	Color	Powder coated Black Texture finish
	Cable Entry	Rear
Network Management	Smart RS-232/USB	Supports Windows 2000/2003/2008/Vista/XP, Windows 7, Linux, Unix, and MAC
	SNMP	Power management from SNMP manager and web browser
	Management Software	View power
	Modbus	Optional
Certifications	Safety (CE)	IEC/EN62040-1-1
	Electromagnetic Compatibility (EMC)	IEC/EN62040-2, IEC/EN61000-3-11, IEC/EN61000-3-12, YD/T1095-2008
	Surge Protection	IEC/EN62040-2, meeting IEC/EN61000-4-5 level 4
	ROHS	2011/65/EU

Product Specifications are subject to change without any prior notification. Note : (1) THDi on Y phase is 12% due to charger (2) When using battery from 18 to 20 nos, the unit will de-rate according to formula P= Rating x N/20



Liebert®

ITA2™ UPS

5-40kVA

Compact, efficient & robust
UPS for critical applications



Liebert® ITA2™ 5 to 40 kVA

In today's dynamic world, having basic power protection is not enough for enterprises. Business continuity is even more vital with digital trends constantly emerging and transforming the way you do business. In your critical system, you simply cannot afford downtime or waste time recovering these systems after a disruption. What you need is a robust, high-speed, reliable UPS system which offers perennial, round-the-clock protection for diverse applications.

Our Solution

The Liebert® ITA2™ is a fully-digital, highly reliable, double-conversion UPS solution that provides clean and consistent power. This highly efficient solution is ideal for various deployments, including IT racks, network closets, automation control systems, and precision instruments to small sized control rooms among other edge applications.

- Cutting-edge design enables seamless integration into various ecosystems
- Tailored for global deployment in a low carbon, compact footprint

The ultimate level of engineering and dynamics that have gone beyond the development of this innovative, next-generation product facilitate top-notch availability and excellent performance at low ownership costs, giving you ultimate peace of mind.



5-10kVA



16-30kVA

Application Areas

- Edge Networks
- Data Centers
- Automation industries
- Server Farms
- Workstations
- Telecom

Liebert® ITA2™

Robust power protection solution in a compact package

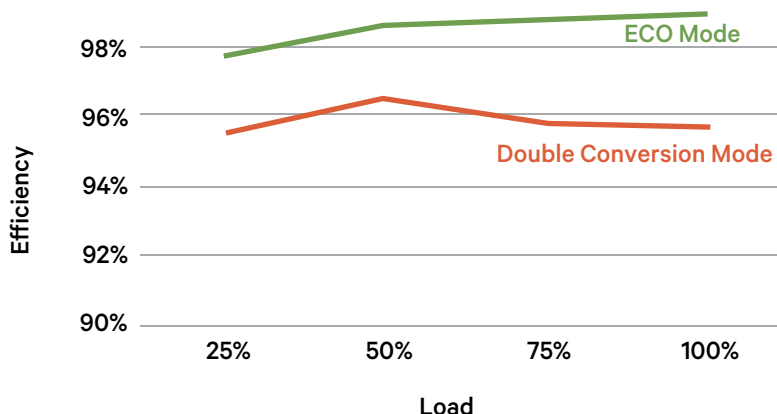


Key Features

- Robust structure with cutting edge channelized airflow design
- Wide input voltage range, making it immune to grid interference
- Rack-tower design for installation flexibility
- Able to deliver both three-phase and single-phase output²
- 0.99 input power factor for better grid or generator compatibility
- Powerful charging capability for minimum battery recharging time
- Programmable output outlets/terminals with cascade protection to protect key devices during heavy load²
- Integrated Ethernet port with HTTP protocol compatibility and streamlined remote monitoring
- Easy to install, repair, and maintain
- Compliance with seismic conduction and vehicle carrying test
- Gravity sense LCD display
- Turnkey dust-resistant design with ability to operate under high ambient temperature of up to 50°C

The Most Efficient UPS

Liebert® ITA2™ offers best-in-class efficiency of up to 96.5% in double conversion mode over a wide range of load conditions, resulting in significant OPEX cost savings. Liebert ITA2's ECO mode of operation provides a superlative efficiency of up to 99%.



The Most Flexible UPS

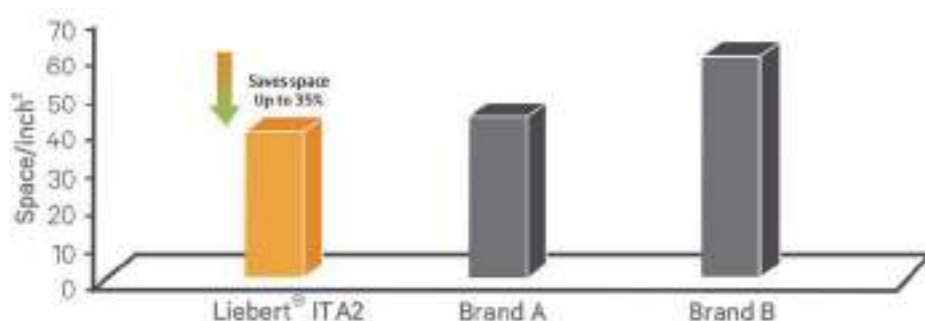


*Shown here the UPS and battery cabinets in a rack & tower arrangement.



- Optimized modules minimizes the amount of used space in the rack
- Support base makes it convenient and stable to place on a floor
- Adjustable display panel ensures readability and ease of use
- Configuration easily extends to batteries and POD cabinet

The Most Compact UPS





Dust-resistant Design

Available in different wattage variations, Liebert® ITA2™ is ideal in the edge of networks, light industrial applications and data centers, easily blending into any virtualized environment and providing comprehensive power protection at reduced operating costs.

Reliability in a compact footprint

- Fully-digital control with high output voltage precision
- Manages all the nine power problems including sagging, spikes, and fluctuations
- Built-in Ethernet port includes browser support compatibility with intelligent cards (SIC card, UNITY-DP, RDU_SIC cards, etc.)
- Built-in-power charger for fast charging reduces the battery charging time
- Prolonged backup time through cascaded connection
- Quality-tested for 1000 hours for extreme durability and tolerance even in stringent conditions

High Availability

Early Warning of UPS System Status

Multiple audible and visual alarms instantly alert for critical issues.

Periodic Battery Testing

Provides automatic and manual self-diagnostic battery testing for peace of mind.

Power-Factor Correction

Prevents noise, harmonics, and distortion from being transferred to connected loads or fed back to the utility.

Lightning and Surge Protection

The transient voltage surge suppression circuitry inside the Liebert® ITA2™ provides additional protection for the connected equipment.

Wide Input Voltage Window

Prolongs battery life by allowing the UPS to maximize the use of utility power before being transferred to the battery when the input voltage exceeds the specified limits.



Intelligent Communications

The Liebert® ITA2™ offers an intuitive control panel, network connectivity communications card, and optional software monitoring, all designed to ensure visibility, control and peace of mind for manned or unmanned locations. You can even monitor key environmental and room conditions.

Trellis™ Power Insight

Trellis™ Power Insight is an application that can monitor your Liebert UPS systems and provide real-time trends for critical UPS performance management. In the event of a need to shutdown the UPS, the software ensures a graceful shutdown routine so that no damage occurs to the data or systems.

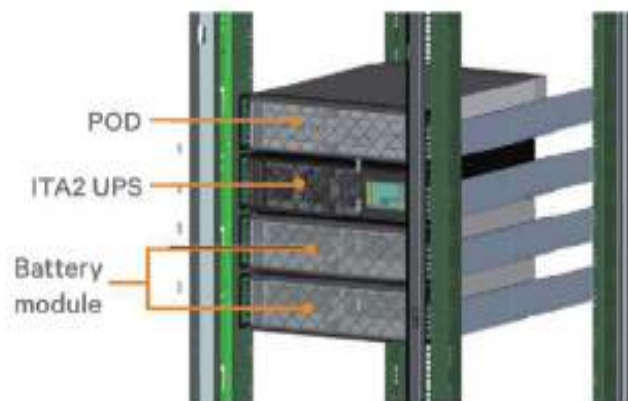


POD - Optional Accessories

The Liebert POD maintenance bypass and output distribution unit ensures continuous uptime when your critical system cannot afford any power loss without power, even for scheduled UPS maintenance.

It allows you to manually transfer connected equipment to utility power via a maintenance bypass switch, permitting scheduled service or UPS replacement without shutting down connected equipment. Features include:

- 2U height minimizes rack space requirements
- Easy plug-and-play installation



Battery Backup Table

UPS Model	Battery Modules	Backup Time in Minutes									
		5kVA	4.5kVA	4kVA	3.5kVA	3kVA	2.5kVA	2kVA	1.5kVA	1kVA	0.5kVA
5kVA	1	6.8	7.8	9.2	11.2	13.9	17.9	24.3	35.6	58	122.4
	2	18	20.9	24.6	29.7	36.5	46	59.7	81.7	126.4	278.8
	3	31.9	36.6	42.6	50.2	60.2	74.1	94.5	128.3	207	435.7
	4	46.3	52.6	60.3	70.2	83.5	102.2	130.3	182.7	287.6	592.5
	5	60.4	68.1	77.8	90.3	107	131.4	171.6	237.1	368.2	749.3
	6	74.4	83.7	95.4	110.4	131.5	164.6	212.9	291.5	448.8	906.1

UPS Model	Battery Modules	Backup Time in Minutes									
		6kVA	5.4kVA	4.8kVA	4.2kVA	3.6kVA	3kVA	2.4kVA	1.8kVA	1.2kVA	0.6kVA
6kVA	1	5.1	6.1	7.1	8.6	10.8	13.9	19	28	46.9	101
	2	14	16.1	19.1	23	28.6	36.5	48.4	67	103.9	228.2
	3	24.7	28.7	33.6	40	48.5	60.2	77.6	105.6	167.6	359.7
	4	36.7	42	48.7	57	68	83.5	106.9	147.8	235.1	491.2
	5	48.8	55.3	63.3	73.6	87.5	107	138.3	193.5	302.6	622.8
	6	60.5	68.2	77.9	90.4	107.1	131.5	172.9	239.1	370.1	754.3

UPS Model	Battery Modules	Backup Time in Minutes									
		10kVA	9kVA	8kVA	7kVA	6kVA	5kVA	4kVA	3kVA	2kVA	1kVA
10kVA	2	4.8	5.5	7.4	10.2	14	18	24.6	36.5	59.7	126.4
	3	8.8	10.2	13.6	18.5	24.7	31.9	42.6	60.2	94.5	207
	4	13.7	15.9	21.1	28.4	36.7	46.3	60.3	83.5	130.3	287.6
	5	19.4	22.4	29.7	39.3	48.8	60.4	77.8	107	171.6	368.2
	6	25.8	29.6	38.6	50.6	60.5	74.4	95.4	131.5	212.9	448.8

UPS Model	Battery Modules	Backup Time in Minutes									
		16kVA	14.4kVA	12.8kVA	11.2kVA	9.6kVA	8kVA	6.4kVA	4.8kVA	3.2kVA	1.6kVA
16kVA	4	9.5	11	13	15.6	19.4	24.8	33.8	48.7	77.7	169.6
	6	16.8	19.6	23.1	27.8	34	42.9	56.2	77.9	121.7	271.9
	8	25.3	29.3	34.4	40.8	49.2	60.7	78.1	107.3	173.2	374.1
	10	34.4	39.5	45.9	53.8	63.9	78.4	100.3	138.9	225.2	476.3
	12	43.6	49.7	57.2	66.5	78.7	96.1	122.4	173.7	277.2	578.6

UPS Model	Battery Modules	Backup Time in Minutes									
		20kVA	18kVA	16kVA	14kVA	12kVA	10kVA	8kVA	6kVA	4kVA	2kVA
20kVA	4	6.9	8	9.5	11.5	14.3	18.3	24.8	36.7	60.3	130.3
	6	12.3	14.3	16.8	20.4	25.3	32.3	42.9	60.5	95.4	212.9
	8	18.5	21.5	25.3	30.5	37.5	46.8	60.7	84	131.8	295.5
	10	25.3	29.3	34.4	41	49.7	61.1	78.4	107.6	173.4	378.1
	12	32.6	37.5	43.6	51.4	61.6	75.2	96.1	132.3	215.1	460.7

Note: Battery autonomy times and 5 year design life are based on operation at 25°C. Approximate autonomy times are based on fully charged batteries and can vary +/-5% due to battery manufacturing variances.

Technical Specifications

Nominal Ratings (kVA)	5	6	10	16	20	30	40
Standard/Long Backup Model	ITA-05k00AL1102P00/ ITA-05k00AE1102P00	ITA-06k00AL1102P00/ ITA-06k00AE1102P00	ITA-10k00ALA102P00/ ITA-10k00AEA102P00	ITA-16k00AL3A02P00/ ITA-16k00AE3A02P00	ITA-20k00AL3A02P00/ ITA-20k00AE3A02P00	ITA-30k00AL3302P00	UHA3R-0400

Input Parameters

Nominal Input Voltage (V)	220/230/240VAC 1-Phase, 2 Wire	220/230/240VAC 1-Phase, 2 Wire 380/400/415VAC 3-Phase, 4 Wire	380/400/415VAC 3-Phase, 4 Wire
Input Voltage Range (V)	176-288VAC at full load; 100-176VAC at linear derating; 100VAC at half load		305-477 VAC
Nominal Input Frequency (Hz)	50/60		
Input Frequency Range (Hz)	40-70		
Input Power Factor (kW/kVA)*	0.99		
Current THD at full linear load (THDi%)*	<3		<4

Battery

Battery Blocks Per String	12*, 16, 20	24*, 32, 34, 36, 38, 40	32, 34, 36, 38, 40	30*, 32, 34, 36, 38, 40
Battery Charger Max. Power (A)	= 5A (Long backup model) = 2A (Standard model)	= 8A (Long backup model) = 4A (Standard model)	= 13A (Long backup model) = 5A (Standard model)	= 13A 6 kW
Battery Option	P/C : ITA-BCI0020K01 (built-in battery module of 16 block X 12V X 9AH) Battery cabinet Dimensions in rack arrangement - 430(W) x 739(D) x 85(H)			Only external battery cabinet

Output

Nominal Output Voltage (V)	220/230/240 (1-phase)	220/230/240VAC (1-Phase), 380/400/415VAC (3-Phase)	380/400/415VAC (3-Phase)
Nominal Output Frequency (Hz)	50/60		
Rated Power Factor (kW/kVA)	Unity		0.9
Voltage Harmonic Distortion (%)	<2% for Linear loads & <5% for Non-linear loads		
Overload Capacity	At 25°C: 105% ~ 125%, 5min; 125% ~ 150%, 1min; 150%, 200ms		
Crest Factor	3:1		

Efficiency

Online Mode Efficiency	Up to 95.5%	Up to 95.8%	Up to 96.2%	Up to 96.5%	Up to 95%
ECO Mode Efficiency	Up to 99%				Up to 98.5%

Dimensions and Weight

Dimensions (W x D x H) in mm Rack Mounted Arrangement	430x450x85	430x560x85	430x570x130		435x800x173
Weight (kg)	11	15	23	23.5	72

General

Nosie at 1 m (dBA)	=55	=58	<60	<58
Operating Temperature (°C)	0 ~ 50*			0 ~ 40
Relative Humidity (%RH)	5 ~ 95, non-condensing			
Altitude (m)	=3000m			≤1000m
General and safety requirements for UPS	IEC/EN 62040-1			
EMC requirements for UPS	IEC/EN 62040-2			
UPS classification according to IEC 62040-3	VFI-SS-111			

Note: Specification are subject to change without any further notification

*Conditions apply (1) with ABS certification (2) Not Available in 30kVA



Vertiv.com/en-in | E-mail : marketing.india@vertiv.com | Toll free : 1-800-2096070

Vertiv Energy Private Limited | Plot C-20, Rd No.19, Wagle Ind Estate, Thane (W), 400604, India

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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.

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 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



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							
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

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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Vertiv.com Energy Private Limited | Plot C-20, Rd No.19, Wagle Ind Estate, Thane (W), 400604. India

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