



**VERTIV**<sup>TM</sup>

**Liebert**<sup>®</sup>

GXT MT+ CX<sup>TM</sup>  
1/2/3kVA UPS

Compact, Efficient, & Reliable Power  
For Mission-Critical Applications



# WE ARE VERTIV

Vertiv, formerly Emerson Network Power, designs, builds, and services mission-critical technologies that enable vital applications for data centers, communication networks, and commercial & industrial environments.

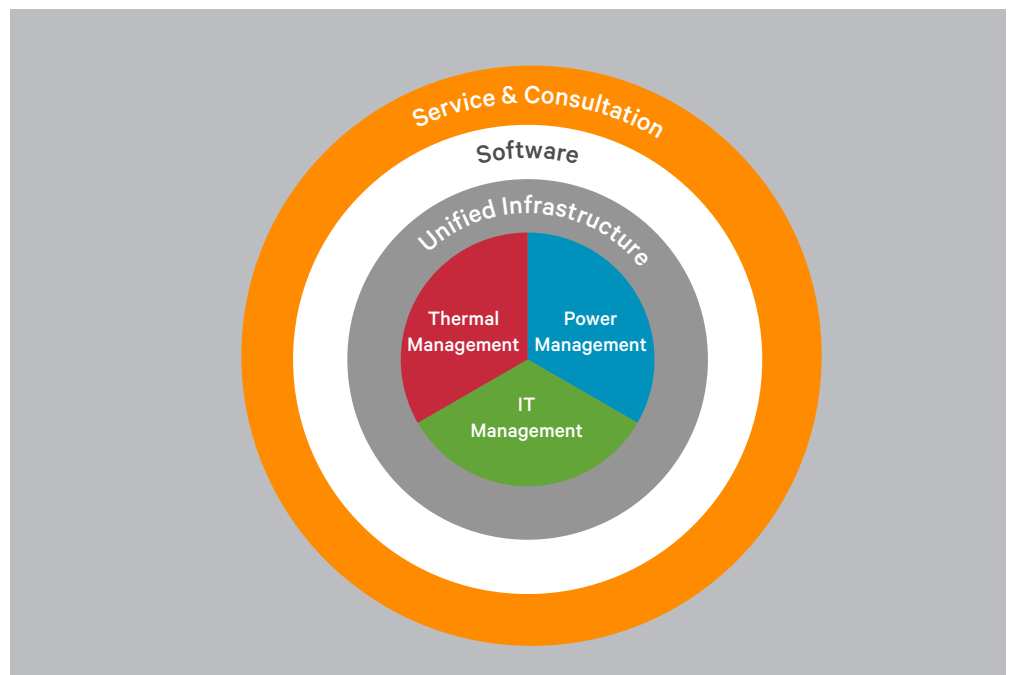
We support today's growing mobile and cloud computing markets with our portfolio of power, thermal and infrastructure management products, software and solutions, all complemented by our extensive global service network.



We help strengthen the world's most vital applications by bringing together global reach and local knowledge, and our decades-long heritage, including brands like ASCO, Chloride, Liebert, NetSure, and Trellis.

## Vertiv Your Vision, our Passion

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



### ASCO®

Our global critical power switching, control, and management solutions, engineered to the most demanding specifications, ensures power, reliability, compliance, and efficiency

### Chloride®

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

### Liebert®

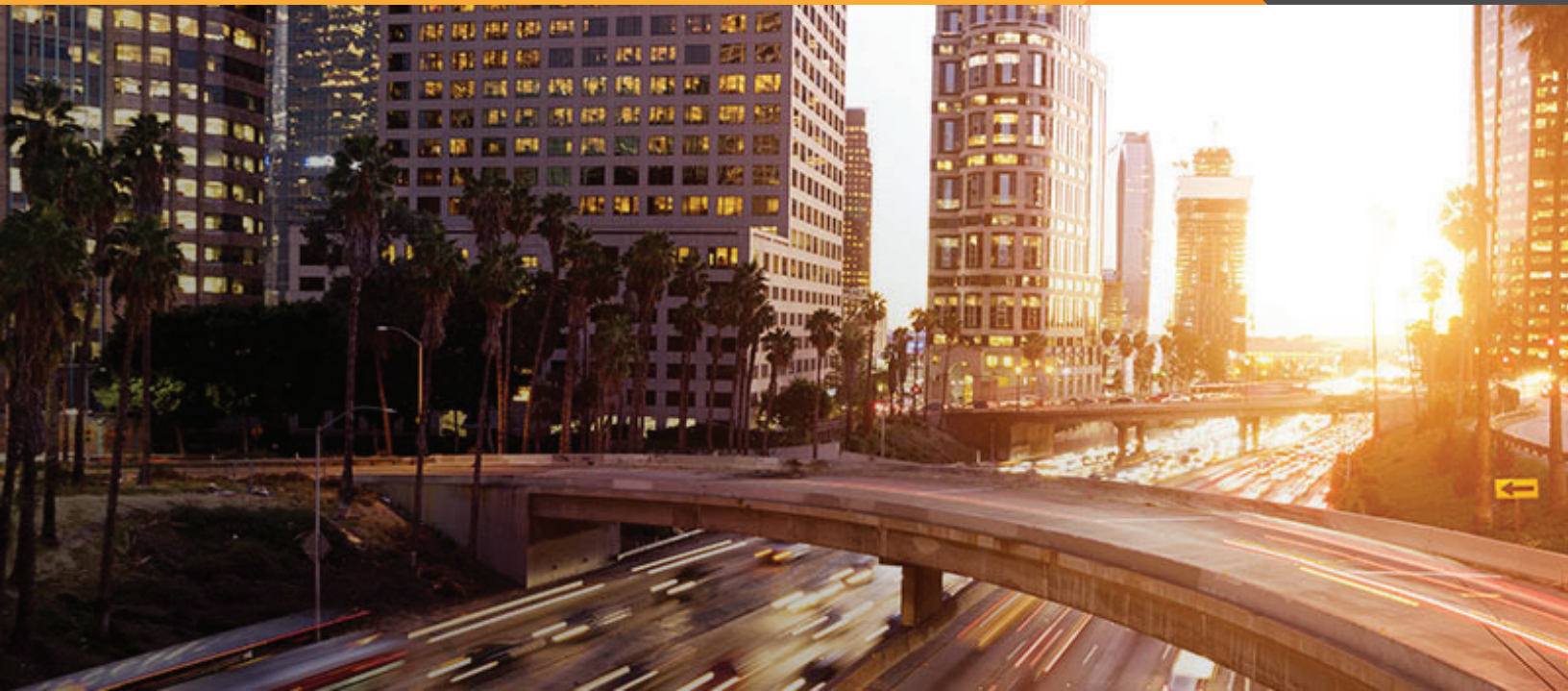
Our global power and thermal management solutions are some of the world's most efficient and reliable power & cooling technologies

### NetSure™

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

### Trellis™

Our industry-leading software gives customers an integrated view of operations across IT and facilities resources, enabling better decisions that save time and money



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 logic- and power-integrated UPS, which offers flexible protection for various applications and ecosystems such as data networks, small data center rooms, voice networks, cellular sites, process automation systems, and small-sized 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, facing concerns related to unstable mains output and high load impact. This streamlined UPS provides a higher level of 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™



### Liebert® GXT MT+ CX™ application areas

- 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)



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.

**Key Features**

- IGBT Based Rectifier
- True Online Double Conversion (up to 90%) with DSP Control Technology for High Performance & Reliability
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- True Online Double Conversion (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 USB/RS232; alternatively, dry contacts and SNMP are an optional method; 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; allows management of multiple UPS via the Internet; Real-time dynamic graphs of UPS data, warning notifications via audible alarms, broadcast, mobile message, e-mail & SNMP traps are some of the key functionalities; supports environmental monitoring detectors for temperature, humidity, and smoke; Password security protection facility.

**Runtime Chart**

Model	25%	50%	75%	100%
1kVA	24	11	6	4
2kVA	26	12	6	4
3kVA	31	13	7	4

This transformer-free UPS has a fault-tolerant design and ensures vital business continuity while providing clean and consistent power protection in unpredictable environments.

MODEL		GXT MT + CX 1 kVA	GXT MT + CX 2 kVA	GXT MT + CX 3 kVA
PHASE		1 phase in / 1 phase out		
CAPACITY		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
<b>INPUT</b>				
Nominal Voltage		230 Vac		
Voltage Range	Low Line Loss	110 VAC ± 3% at 50% Load 176 VAC ± 3% at 100% Load		
	Low Line Comeback	120 VAC ± 3% at 50% Load 186 VAC ± 3% at 100% Load		
	High Line Loss	280 VAC ± 3%		
	High Line Comeback	270 VAC ± 3%		
Frequency Range		40 Hz ~ 70 Hz		
Power Factor		≥ 0.99 @ 100% load		
<b>OUTPUT</b>				
Nominal Voltage		208/220/230/240VAC		
AC Voltage Regulation		± 1%		
Frequency Range (Synchronized Range)		46Hz ~ 54 Hz or 56Hz ~ 64 Hz		
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)		
Transfer Time	Bypass to Inverter (Line mode)	Zero		
	Inverter to Bypass (Line mode)	4 ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY on AC to AC mode@ 100% load.		88%	88%	90%
Inbuilt Isolation Transformer		No		
<b>BATTERY</b>				
Standard Run Model	Battery Type	12V/ 9 AH	12V/ 9 AH	12V/ 9 AH
	Numbers	2	4	6
	Typical Recharge Time	4 hours recover to 90% capacity		
	Charging Current (max.)	1.0 A		
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%
Long Run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers	3	6	6
	Charging Current	1.0A/2.0A/4.00.0A, 6.0A default		
	Float Charging Voltage	41.0 VDC ± 1%	82.1 VDC ±1%	*82.1 VDC *1%
<b>INDICATORS</b>				
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
<b>ALARM</b>				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Countinously sounding		
<b>PHYSICAL</b>				
*Standard Run Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x145 x220	421 x 190 x 318
	Net Weight (kgs)	9.8	17	27.6
Long Run Model*	Dimension, O x W x H (mm)	282 x 145 x 220	397 x145 x220	
	Net Weight (kgs)	4.1	6.8	7.4
<b>ENVIRONMENT</b>				
Operation Humidity and Temperature		20-90 % RH @ 0- 45°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
<b>MANAGEMENT</b>				
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, 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 during 45°C to 50°C

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



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