



VERTIV™

Liebert®

GXT MT+ CX™
1/2/3kVA UPS

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



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



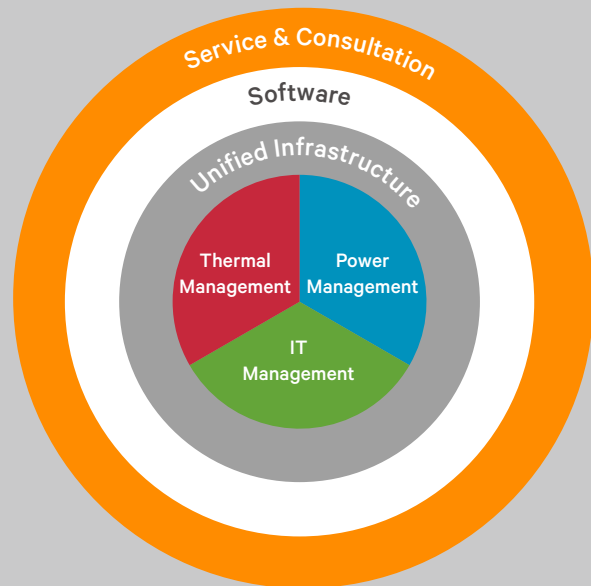
We support today's growing mobile and cloud computing markets with our portfolio of power, thermal and infrastructure management products, software and solutions, all complemented by our extensive global service network

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 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.



Chloride®

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

NetSure™

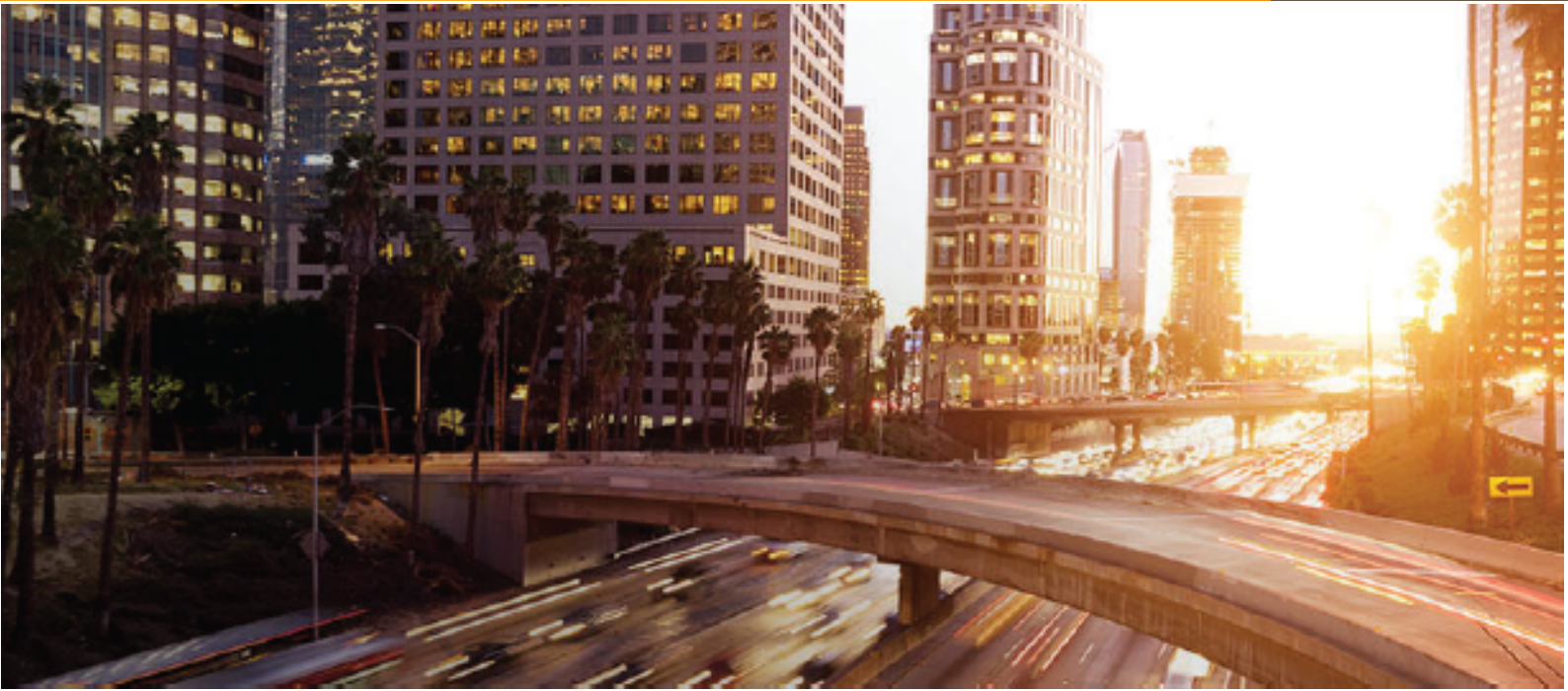
Our global intelligently engineered DC power systems deliver high availability, energy efficiency and scalability for converged networks

Liebert®

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

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 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™



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 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 message, e-mail & SNMP traps are some of the key functionalities.

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, with a fault-tolerant design, ensures mission-critical 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	Standard Models	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W
	Long Backup Models	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT				
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		
OUTPUT				
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		
BATTERY				
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%
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		Countinously sounding		
PHYSICAL				
*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
ENVIRONMENT				
Operation Humidity and Temperature		20-90 % RH @ 0- 45°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
MANAGEMENT				
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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