Liebert® GXT MT+ CX

1–3 kVA UPS

Compact, Efficient & Reliable
Power For Mission-Critical
Applications

We Are Vertiv™

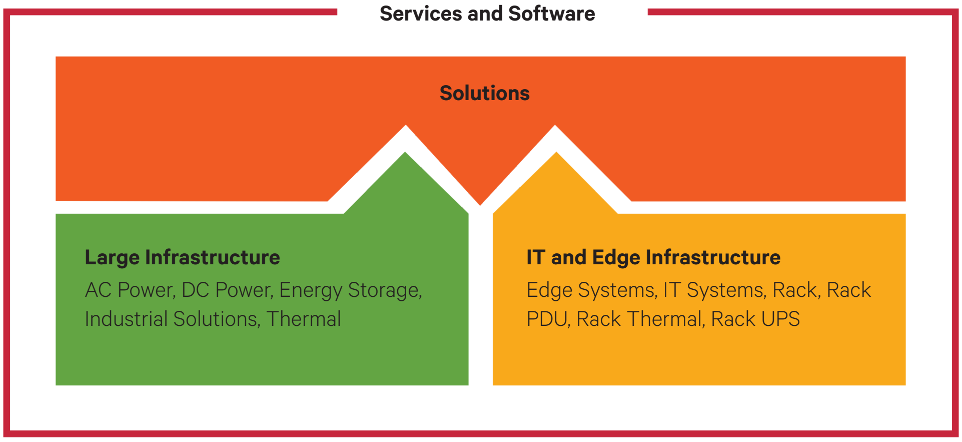
Vertiv brings together hardware, software, analytics and ongoing services to ensure its customers' vital applications run continuously, perform optimally and grow with their business needs.

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®

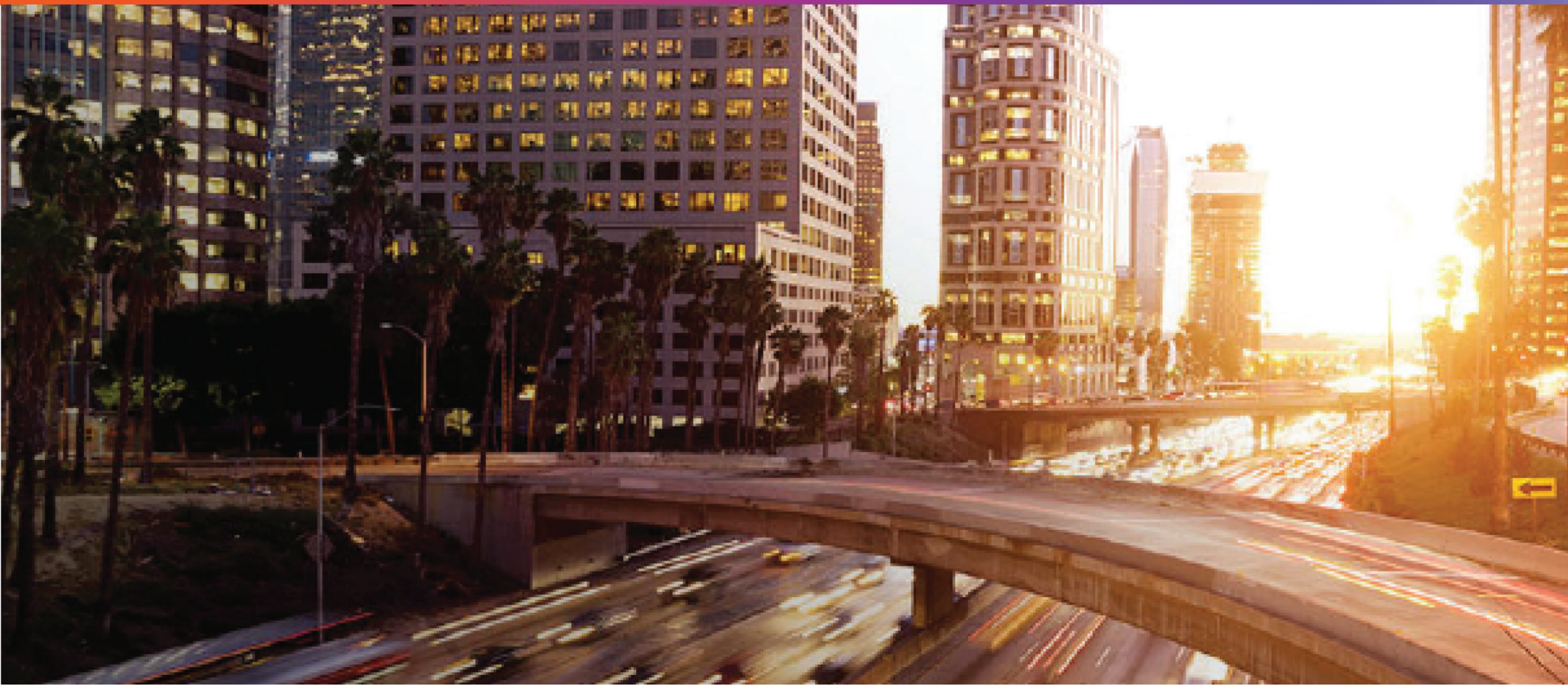
AC Power and Thermal

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		
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 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.

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