

■ AC Power for
Business-Critical Continuity

Liebert GXT MT+ CX 1/2/3 kVA

Compact, Efficient and Reliable Back UP Power Solution



 **Liebert®**


EMERSON™
Network Power



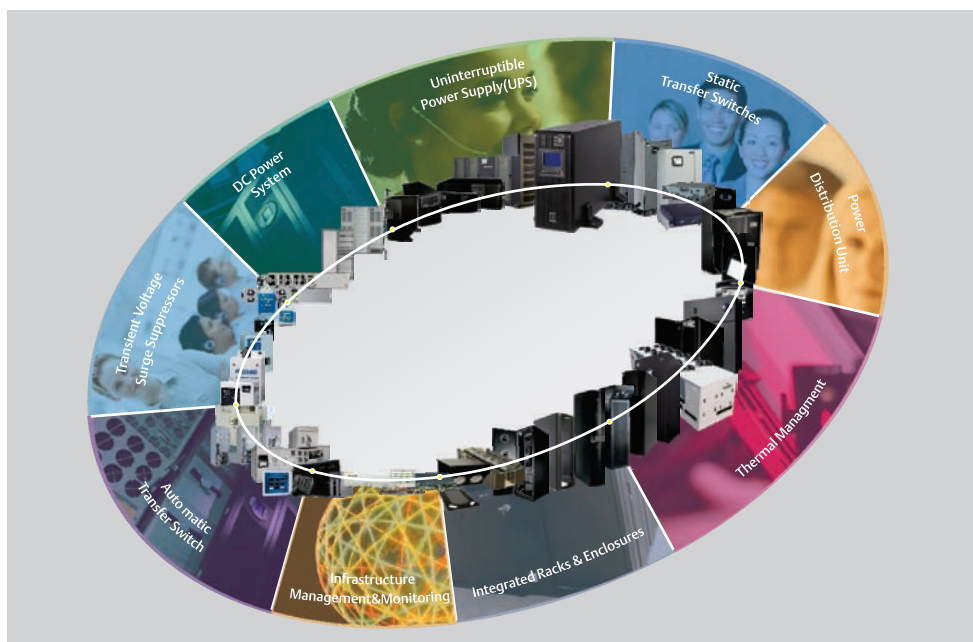
Emerson Network Power, a business of Emerson, a global company that leads by applying a unique combination of industry expertise, technology, and resources to make the future of our customers' enterprises and networks possible.

We are Emerson

Emerson Network Power's broad technology base and global expertise support a full spectrum of enterprise wide solution for today's business needs . We have been providing tailored solutions for protecting the operation of critical electronic systems in virtually every business segment right from customer premise equipment to global network .

Emerson. Consider It Solved.

Customers call on Emerson when the stakes are the highest. Why? Because they know that we bring them technology and engineering to create solutions for their success. Whatever their challenge, they know that with Emerson by their side, they can "Consider It Solved."



Supported by our right combination of knowledge, experience, product selection and service capability. We are the true solution provider of our customer's IT infrastructure, right from grid to chip level.

When the stakes are high, partner with Emerson Network Power to optimize your technology with "high-nines" reliability solutions specific to your infrastructure.

Liebert™ GXT-MT+ CX 1/2/3 kVA

Compact, Efficient and Reliable Back UP Power Solution

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 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.



Liebert GXT MT+ CX 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 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.

Application

- Data Networks : Mid Range Servers (Windows and Linux), Wifi Applications and Data Networks.
- Small Data Centre Rooms: Small Data Centres Room to Manage Small Office Networks and Business Critical Continuity.
- Voice Networks : Cellular Sites, Voice Over IP (VOIP), Very Small Aperture Terminals (VSAT) PBX and IT Enabled PBX.
- Process Automation Equipments : Programmable Logic Controllers (PLC) and Cash Machines (ATM.)

Communication And Option



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

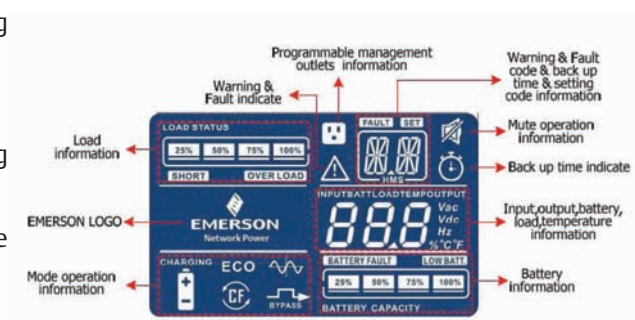
Network Monitoring SNMP Card, Used for Remote TCP/IP Web Monitoring, Supporting Remote Shutdown.

Dry Contact Card

Dry Contact for UPS, Providing Four Relay signal Output.

ModBus Card

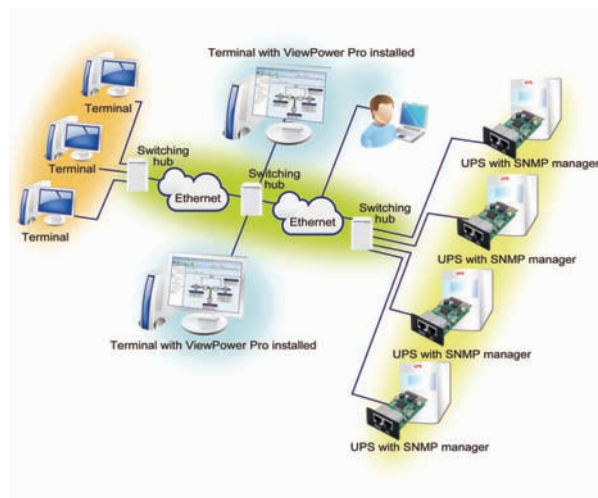
Select it when UPS Needs to communicate with Building Management System.



LCD Display of Liebert GXT=MT+

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 Softer (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.



Liebert GXT MT+ CX 1/2/3 kVA Technical Specifications

MODEL		GXT MT+ CX	GXT MT+ CX	GXT MT+ CX
PHASE		Single phase with ground		
CAPACITY*		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT				
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				
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		3:1		
Harmonic Distortion		≤ 3 % THD (Linear Load)		
Transfer	AC to DC	Zero		
Time	Inverter to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
To AC Mode		88%	88%	90%
To Battery Mode		83%	85%	88%
BATTERY				
Standard Model	Battery Type	12 V / 9 AH	12 V / 9 AH	12 V / 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 (max.)	1.0A/2.0A/4.0A/6.0 A, 6.0A 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				
Standard Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318
	Net Weight (kgs)	9.8	17	27.6
Long-run Model**	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	
	Net Weight (kgs)	4.1	6.8	7.4
ENVIRONMENT				
Humidity		20-90 % RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 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 during 35°C to 50°C.

** Product specifications are subject to change without further notice

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	2014 CIO CHOICE 2014 Awards (Centre Of Recognition & Excellence) Most Preferred Brand • Integrated Data Center Solution • ICT Infrastructure Cooling • Data Center Infrastructure Management	
	2013 Frost & Sullivan 'Voice Of Customer' 2013 • Most Preferred UPS Brand - IT/ITES • Most Preferred UPS Brand – Manufacturing & Process Industries • Most Preferred UPS Brand - Power, Oil and Gas • Overall Customer Service Leadership (Above 20kVA) Award	
	2013 CIO CHOICE 2013 Awards (Centre Of Recognition & Excellence) – Most Preferred Brand • Data Center (UPS) • Data Center (Cooling) • Power Distribution • Infrastructure Appliance	2013 (Global recognition) EMA Radar Report™ for Data Center Infrastructure Management 'Most Comprehensive DCIM Solution' - Trellis
2012 (Global recognition)	Forrester's March 2012: "Market Overview: Data Center Infrastructure Management Solutions" report 'Dominant supplier in data center infrastructure management (DCIM)'	
2012 (APAC recognition)	 Frost & Sullivan 'Asia Pacific Market Share Leadership 2012' - data centre cooling solutions market	2010 Frost & Sullivan 'India UPS Market Leadership Award'
	 ISO 14001 REGISTERED MGM SYS RVA C425 DNV Certification B.V., The Netherlands	 FORTUNE 2013 WORLD'S MOST ADMIRABLE COMPANIES Emerson Among Top 50 On Fortune Survey Of "Worlds Most Admired" Companies.

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For disposal of Batteries Please visit the below link:
<http://www.cpcb.nic.in/divisionsofheadoffice/hwmd/lead.pdf>

Note: Specifications & Features may vary based on the condition.

Emerson Network Power.

The global leader in enabling Business-Critical Continuity™.

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