

■ AC Power for
Business-Critical Continuity

Liebert® GXT MT+ 6 kVA UPS

Compact, Efficient, and Reliable Power Solution





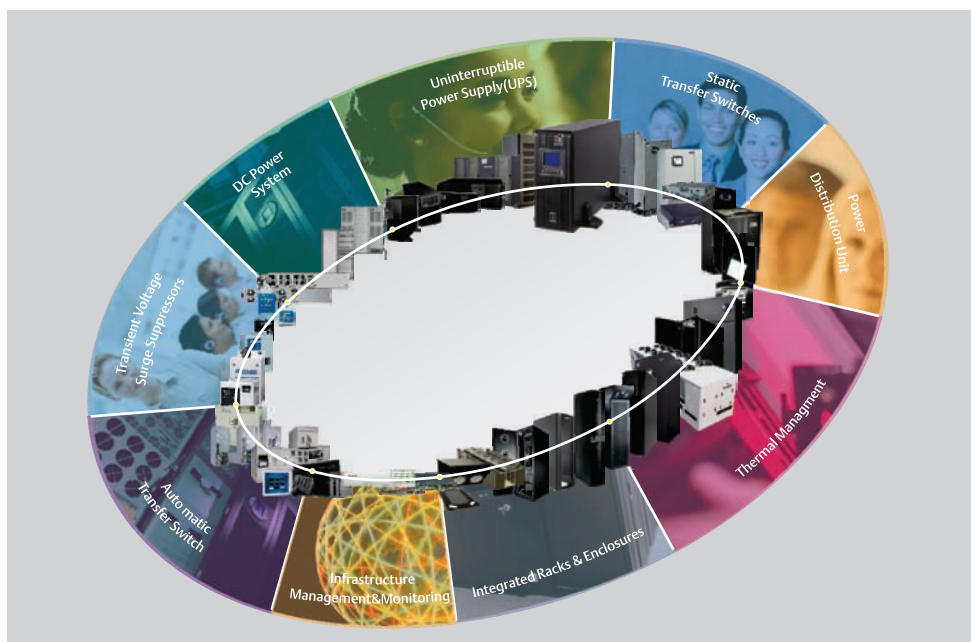
Emerson Network Power, a business of Emerson, a global company that leads by applying a unique combination of industry expertise, technology, and resources to make the future of our customers' enterprises and networks possible.

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+ 6 kVA Tower Based UPS System

True Online Double Conversion UPS System based on DSP Technology available in Long Backup 6 kVA/4.8 kW rating.



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 troubleshooting.
- Double Conversion Efficiency upto 91%.
- ECO Mode Efficiency upto 97%.
- Active Input Power Factor Correction 0.99.
- 0.8 Output Power Factor.
- Wide Input Voltage window (110 – 300 Vac) for Indian Environmental Condition and for Optimized Battery Performance.
- Adjustable Battery Configuration from 16*/18*/20 pcs and Digital battery Charger with Adjustable Charging Current (0.5 Amps to 6 Amps) Via LCD Display.
- 3 Stage Extendable Charging Design for the Optimized Battery Performance.
- 50/60 Hz Automatic Frequency Converter Mode.
- Intelligent Monitoring with Standard RS232/USB Port Plus Slot Available for RS485/Dry Contact/SNMP Card.
- Remote Monitoring with Multiple Server Shutdown Capability and Compatibility with all Major Operating System.

Liebert GXT MT+ 6kVA is a full featured transformer free UPS designed to offer compact efficient and reliable power to power thirsty modern electronic gadgets. It features double conversion online design that ensure continuous high quality power even when the main AC power fails

Utilize state of the art technology and components to withstand fluctuation of input main voltage. Extra wide input voltage and frequency range effectively reduces the discharging period of battery; thus prolong battery life

The Liebert GXT-MT+ 6 kVA is compact high efficiency UPS System with best-in-class Online UPS technology suited for critical applications such as IT & Communication Equipments, VoIP, Small/Medium Data Center, Server Rooms, ATMs etc. It's compact design provides high reliability with promise of Performance Without Compromise suited for India Power Condition

Liebert GXT MT+ 6 kVA achieves up to 91% efficiency in double conversion mode and up to 97% in ECO mode ensuring effective load protection while reducing the total cost of ownership (TCO) and environmental impact

Application

- Data Networks : Business critical servers, Mid Range servers (Windows and Linux), WiFi applications and data networks
- Industrial : Programmable Logic Controllers (PLC), Industrial Robots, Controls for Windmills and Cash Machines (ATM)
- Small and Medium Data Centres : Small and medium data centres room to manage the small office network and business critical continuity
- Voice Networks : Cellular sites, Voice over IP (VOIP), Very Small Aperture Terminals (VSAT) PBX, and IT enabled PBX

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.

SNMP Card

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

Dry Contact Card

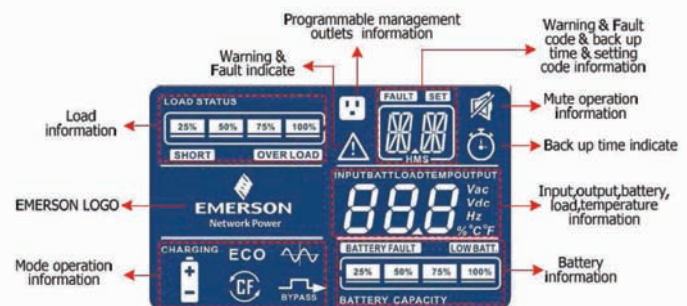
Dry Contact for UPS, Providing Four Relay signal Output.

ModBus Card

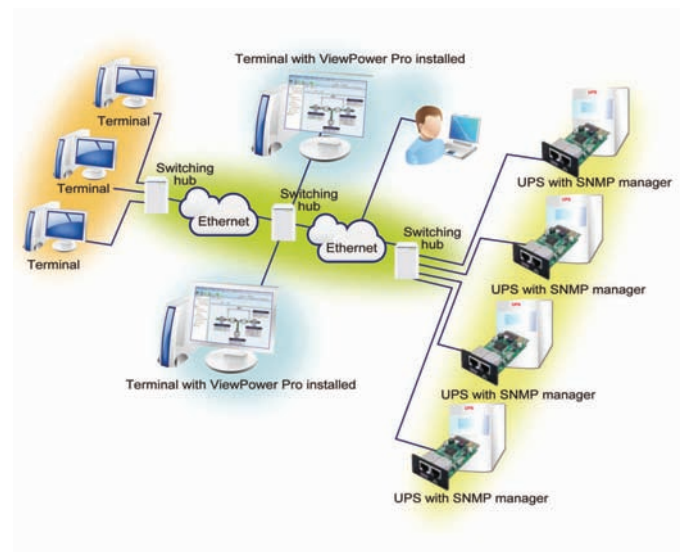
Select it when UPS Needs to communicate with Building Management System.

Intelligent Management functions

- Remote Monitoring is available through USB/RS232, and optional via dry contacts and SNMP. The monitoring option software supports TCP/IP with event log and analysis function.
- Self-diagnosis and protection enable the 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.



LCD Display of Liebert GXT=MT+



Liebert® GXT MT+ 6 kVA UPS Technical Specifications

MODEL		GXT MT+ 6kVA
PHASE		1 phase in / 1 phase out
CAPACITY		6000 VA / 4800 W
INPUT		
Nominal Voltage		208/220/230/240VAC
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	300 VAC ± 3%
	High Line Comeback	290 VAC ± 3%
Frequency Range		46 Hz ~ 54 Hz or 56 Hz ~ 64 Hz
Power Factor		≥ 0.99 @ 100% load
OUTPUT Parameters		
Nominal Voltage		208/220/230/240VAC
AC Voltage Regulation		± 1%
Frequency Range (Synchronized Range)		46 Hz ~ 54 Hz or 56 Hz ~ 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)	Zero
Waveform (Batt. Mode)		Pure Sinewave
EFFICIENCY		91%
BATTERY Parameters		
Battery Type		Depending on applications
Numbers		16-20** (adjustable)
Charging Current		6 Amps (0.5 Amps to 6 Amps Settable)
Float Charging Voltage		273 VDC ± 1% (based on 20 pcs batteries)
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 318
Net Weight (kgs)		21
ENVIRONMENT		
Operation Humidity		0-95 % RH @ 0- 40°C (non-condensing)
Noise Level		Less than 55dBA @ 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 capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.

** When using internal batteries from 16-19, the unit will de-rate according to below formula: $P = P_{\text{rating}} \times N/20$

*** If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

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  DNV Certification B.V., The Netherlands
	 2013 FORTUNE WORLD'S MOST ADMIRABLE COMPANIES Emerson Among Top 50 On Fortune Survey Of "Worlds Most Admired" Companies.

While every precaution has been taken to ensure accuracy and completeness in this brochure, Emerson Network Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

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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|----------------|----------------------|------------------------------|-------------------------------|
| ■ AC Power | ■ Embedded Computing | ■ Outside Plant | ■ Racks & Integrated Cabinets |
| ■ Connectivity | ■ Embedded Power | ■ Power Switching & Controls | ■ Services |
| ■ DC Power | ■ Monitoring | ■ Precision Cooling | ■ Surge Protection |

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