

# Liebert® GXT MT+

Compact Tower UPS for High Performance Power Protection  
1kVA – 3kVA



## FEATURES

- Double conversion on-line technology
- Compact tower design
- Standard models
- Extended runtime capabilities by building up additional battery resources
- Flexible (site specific) battery configuration
- Standard model comes with internal battery
- Generator-compatible with wide input frequency range (40 to 70 Hz)
- 0.8 output power factor
- Class B electromagnetic interference (EMC)
- Ultra wide input voltage range
- High input power factor and low THDi
- Emergency power off (EPO)
- Configurable to energy saving mode (ECO)
- LCD display for operational convenience and status/fault information
- Multiple AC output interfaces via IEC standard sockets with programmable outputs
- Remote Monitoring is available through USB/RS232, and optional via dry contacts and SNMP



The Liebert® GXT MT+ features best-in-class power protection for critical applications with the use of true on-line double conversion technology. The Liebert® GXT MT+ has a comprehensive specification that provides a higher level of availability to the IT equipment. It satisfies safety criteria and electromagnetic compatibility standards while offering intelligent monitoring and network management functions. This high performance UPS with proven reliability is available in compact tower design.

### Ideally Suited for

- Small Size Data Center
- Telecommunication Equipment
- VoIP
- Small Office Network
- Computer Rooms
- Process Automation Equipment
- Network Storage Devices

## Technical Specifications

CAPACITY*		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
<b>INPUT</b>				
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
	Low Line Comeback	175 VAC ± 5 %		
	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 @ 220-230 VAC (input voltage)			

<b>OUTPUT</b>				
Output Voltage	208/220/230/240VAC			
AC Voltage Regulation (Batt. Mode)	± 3% (Batt. Mode)			
Frequency Range	47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Overload	100%-110%: audible warning 110%-130%: UPS shuts down in 30 seconds at battery mode or transfers to bypass mode when the utility is normal. >130%: UPS shuts down immediately at battery mode or transfer to bypass mode when the utility is normal.			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 3 % THD (Linear Load)		≤ 4 % THD (Linear Load)	
	≤ 6 % THD (Non-linear Load)		≤ 7 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	4 ms (Typical)		
Waveform (Batt. Mode)	Pure Sinewave			

<b>EFFICIENCY</b>				
AC Mode	~ 85%		~ 88%	
Battery Mode	~ 83%			

<b>BATTERY</b>				
Standard Model	Battery Type	12 V / 7 AH	12 V / 7 AH	12 V / 9 AH
	Numbers	3	6	6
	Typical Recharge Time	4 hours recover to 90% capacity (Typical)		
	Charging Current	1.0 A(max.)		
Long back-up Model	Charging Voltage	41.0 VDC ± 1%	82.1 VDC ±1%	
	Numbers	3	8	
	Charging Current	4.0 A or 8.0 A(max.)		
	Charging Voltage	41.0 VDC ± 1%	82.1 VDC ±1%	

<b>PHYSICAL</b>				
Tower Case	Dimension, D X W X H	397 X 145 X 220 (mm)		421 X 190 X 318 (mm)
	Net Weight (kgs)	13	7	26

<b>ENVIRONMENT</b>				
Operation Humidity	20-90 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 45dBA @ 1 Meter			

<b>MANAGEMENT</b>				
Smart RS-232 or USB	Supports Windows® 98/2000/2003/XP/Vista/7/8/10, Linux, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

BACKUP TIME IN DIFFERENT LOAD LEVEL					
Model	Battery	25%	50%	75%	100%
GXT-1000MTPLUS230	12V/7AH x 3pcs	38.0	14.0	7.5	4.5
GXT-2000MTPLUS230	12V/7AH x 6pcs	40.0	14.5	8.0	5.0
GXT-3000MTPLUS230	12V/9AH x 6pcs	31.0	12.0	7.0	4.5

**Note:** Liebert GXT MT+ standard model is supplied with internal battery. Liebert GXT MT+ Long Backup Model application specific battery and cabinets are available through your local Vertiv representative.

\*Derate capacity to 60% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC

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