



Liebert™

GXT MT+  
1/2/3 kVA



### FEATURES

- 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.

## True Online Double Conversion UPS with optional built - in galvanic isolation & with extended runtime capabilities

Liebert GXT MT+ Series systems is true double conversion online UPS systems designed to provide with a capacity of 1/2/3 kVA. Liebert GXT MT+ units feature total isolation of the load from the mains - isolating input and output sections, and making the systems ideal for Data Networks / Small Data Centers/VOIP Applications application. The units support hot standby configuration, making them suited for critical applications like banks.



Liebert GXT-MT+ CX 1/2/3 kVA  
Liebert GXT-MT+ CX 1/2/3 kVA XB\*



\* Adjustable Battery Charging Current 2/4/6/8/10/12/14/16 Amps according to Battery Capacity Rating.

# Liebert GXT MT+

## 1/2/3 kVA



MODEL		GXT MT + CX 1 kVA	GXT MT + CX 2 kVA	GXT MT + CX 3 kVA
PHASE		1 phase in / 1 phase out		
CAPACITY		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
<b>INPUT</b>				
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		
<b>OUTPUT</b>				
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		
<b>BATTERY</b>				
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%
<b>INDICATORS</b>				
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
<b>ALARM</b>				
Battery Mode		Sounding every 4 seconds		
Low Battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Countinously sounding		
<b>PHYSICAL</b>				
*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
<b>ENVIRONMENT</b>				
Operation Humidity and Temperature		20-90 % RH @ 0- 45°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter		
<b>MANAGEMENT</b>				
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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