



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 Galvonic isolation & With Extended Run-time Capabilities

Liebert GXT MT+ Series systems is true double conversion online UPS systems designed to provide with a capacity of 1,2,3,6 & 10kVA. 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.



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

Liebert GXT MT Series Specification							
MODEL	GXT MT+ CX 1 kVA		GXT MT+ CX 2 kVA	GXT MT+ CX 3 kVA	GXT MT+ 6kVA	GXT MTX+ 6kVA	GXT MT+ 10kVA
PHASE	1 phase in / 1 phase out						
CAPACITY	1000 VA / 800 W		2000 VA / 1600 W	3000 VA / 2400 W	6000 VA / 4800 W	6000 VA / 4800 W	10000 VA / 8000 W
INPUT							
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%			300 VAC ± 3%		
	High Line Comeback	270 VAC ± 3%			290 VAC ± 3%		
Frequency Range		40Hz ~ 70 Hz					
Power Factor		≥ 0.99 @ Nominal Voltage (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)	4 ms (Typical)					
Waveform (Batt. Mode)		Pure Sinewave					
EFFICIENCY on AC to AC mode@ 100% load.		88%	88%	90%	91%	84%	90%
Inbuilt Isolation Transformer		No			No	Yes	No
BATTERY Parameters.							
Standard Run Model	Battery Type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	NA		
	Numbers	2	4	6	NA		
	Typical Recharge Time	4 hours recover to 90% capacity				NA	
	Charging Current (max.)	1.0 A				NA	
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	NA		
Long Run Model*	Battery Type	Depending on the capacity of external batteries			Depending on applications		
	Numbers	3	6	6	16-20** (adjustable)		
	Charging Current	1.0A/2.0A/4.0A/6.0 A, 6.0A default			6 Amps (0.5 Amps to 6 Amps Settable)		
	Float Charging Voltage	41.0VDC ± 1%	82.1 VDC ±1%	82.1 VDC ±1%	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							
Standard Run Model	Dimension, D X W X H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318	No		
	Net Weight (kgs)	9.8	17	27.6	No		
Long Run Model*	Dimension, D X W X H (mm)	282 x 145 x 220	397 x 145 x 220		369 x 190 x 318	369 x 190 x 630	442 X 190 X318
	Net Weight (kgs)	4.1	6.8	7.4	21	72	23
ENVIRONMENT							
Operation Humidity and Temperature.		20-90 % RH @ 0- 45°C (non-condensing)			0-95 % RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter			Less than 55dBA @ 1 Meter	Less than 65dBA @ 1 Meter	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					
For 1/2/3 kVA							
* Derate to 80% of capacity in Frequency converter mode,the output voltage is adjusted to 100/200/208VAC and the ambient temperature during 45 ^o C to 50 ^o C.							
** Product specifications are subject to change without further notice							
For 6 and 10 kVA							
*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 _{rating} x 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							