

Liebert ITON Series

The Vertiv-Emerson **Liebert® GXT MT+ CX 1-3 kVA SB Inbuilt Battery UPS** Compact, Efficient & Reliable Power For Mission-Critical Applications.

The Liebert® GXT MT+ CX UPS facilitates power factor correction, low THDi, and advanced frequency regulation in a compact footprint.

- IGBT-based Rectifier
- True on-line double-conversion efficiency (up to 90%) DSP Control Technology for high Performance
- Active Input Power Factor Correction 0.99; 0.9 Output Power Factor
- Ultra-wide Input Voltage window: 280VAC; works well in harsh conditions and suitable for very poor quality power grid
- Generator-compatible with a wide Input Frequency range (40Hz–70Hz)



Applications

- ✓ Data Network: Mid - range Servers (Windows and Linux), Wi-Fi Applications & Data networks
- ✓ Small Data Center Rooms
- ✓ Voice Networks: Cellular Sites, Voice Over IP (VOIP), Very small Aperture Terminals (VSAT) PBX And IT-enabled PBX Automation industries
- ✓ Process Automation Equipment: Programmable
- ✓ Logic Controllers (PLS) and Cash Machines (ATM)

Features

- Smart RS232/USB interface for power management
- Excellent microprocessor control guarantees high reliability
- AVR boost and voltage stabilization
- Auto restart while AC is recovering
- Simulated sine wave
- Auto charging at Off-mode
- Cold start function
- Generator compatible

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
INPUT				
Nominal Voltage		230 Vac		
	Low Line Loss	110 VAC ± 3% at 50% Load		
		176 VAC ± 3% at 100% Load		
Voltage Range	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		
OUTPUT				
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 mde)	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		
BATTERY				
	Battery Type	12V/ 9 AH	12V/ 9 AH	12V/ 9 AH
	Numbers	2	4	6
StandardModel	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%
	Battery Type	Depending on the capacity of external batteries		
Long Run Model	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%
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		Countinously sounding		
PHYSICAL				
Stand Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x145 x220	421 x 190 x 318
Long Run	Net Weight (kgs)	9.8	17	27.6
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
ENVIRONMENT				
Operation Humidity and Temperature		20-90 % RH @ 0- 45°C (non-condensing)		
Noise Level		Less than 50dBA @ 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		

GXT MT+ CX 16A 1000VA-3000VA

Model		GXT MT+ CX 16A	GXT MT+ CX 16A	GXT MT+ CX 16A
PHASE		Single phase with ground		
CAPACITY*		1000VA/ 800W	2000 VA / 1600 W	3000 VA / 2400 W
INPUT Parameters				
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 Parameters				
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		3:01		
Harmonic Distortion		:3 % THD (Linear Load)		
Transfer Time	AC to DC	Zero		
	Inverter to Bypass	4 ms (Typical)		
	Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY				
To AC Mode		90%	92%	92%
To Battery Mode		85%	87%	88%
BATTERY Parameters				
Battery Type		Depending on the capacity of external batteries		
Long-run Model*	Numbers	3	6	6
	Charging Current (max.)	2.0A/4.0A/6.0 A/8.0/10.0/12.0/14.0/16.0A by 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				
Long-run Model*	Dimension, DxWxH (mm)	282 x 145 x 333		397 x 145 x 333
	Net Weight (kgs)	5.6	9	9.8
ENVIRONMENT				
Humidity		0-95 % RH @ 0- 50°C (non-condensing)		
Noise Level		Less than 45dBA @ 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		

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