

Liebert GXT-MT + (1, 2, 3kVA Online UPS System)





The Liebert GXT-MT +

True Online Double Conversion UPS With Extended Runtime Capabilities

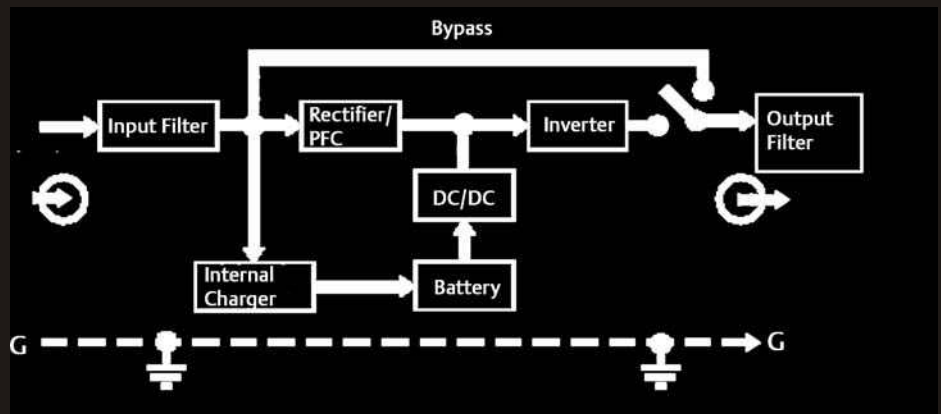


- **Liebert GXT-MT+** features a comprehensive specification, satisfies safety criteria and electro magnetic compatibility standards, and offers intelligent monitoring and network management functions.
- **Liebert GXT-MT+** satisfies your requirements for high reliability and high availability of the AC power supply.
- **Liebert GXT-MT+** is available in a compact Tower configuration making easily deployed in an office or a light industrial application.
- **Liebert GXT-MT+** long run model (L) deploys adaptive battery architecture to maximise your valuable rack space utilisation. Application specific battery configuration and placement ensures optimal performance.

Note:- Liebert GXT-MT+ standard model is provided complete with internal battery.
Liebert GXT-MT+ (long back up model) application specific battery and cabinet available through your local Emerson Network Power representative.



True Online Double Conversion



Applications

- Small Size Data Center
- Telecommunication, VoIP
- Small Office Network
- Data Warehouses
- Medical Diagnostics
- Process Automation Equipments

Features

- 0.8 output power factor
- Emergency power off (EPO) [ECO mode]
- LCD display for status/fault information
- Configurable to energy saving mode (ECO)
- Extended Runtime Capabilities
- Flexible (Site Specific) Battery Configuration
- Compact Tower design
- Generator Compatible
- Ultra wide input voltage range
- High capacity Battery Charger for GXTL
- High input power factor & low THDi
- Wide input frequency range (40 to 70 Hz)

Flexible Configuration

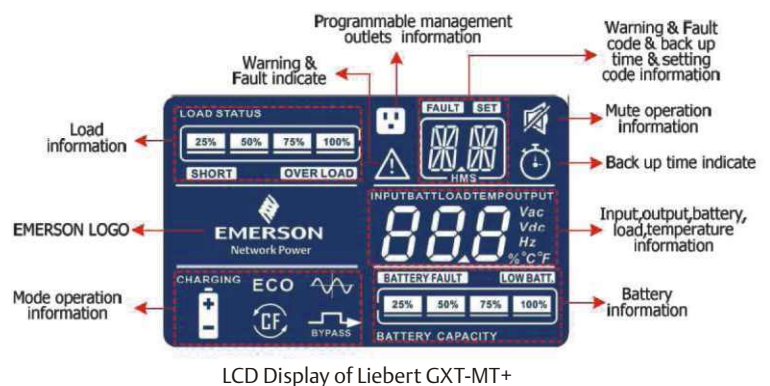
- Extended Run Time ready facilitated through a simple process of building up additional battery resources.
- Multiple AC output interfaces via IEC standard sockets with Programmable output.

Convenient maintenance

- Fault type is clearly displayed for fast troubleshooting.
- LCD display provides maximum operational convenience when managing the UPS.

Intelligent Management functions

- Stronger Battery charger on the GXT L model for quick recharge
- 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.



LCD Display of Liebert GXT-MT+

Technical Specifications

Model	1 kVA	2 kVA	3 kVA
OUTPUT PARAMETERS			
Capacity	1kVA / 800W	2kVA / 1600W	3kVA / 2400W
Power Factor	0.8	0.8	0.8
Nominal Voltage	220 / 230 / 240 Vac	220 / 230 / 240 Vac	220 / 230 / 240 Vac
Voltage THD	<=3% - Linear Load <=6% - Non Linear load	<=4% - Linear Load <=7% - Non Linear load	<=4% - Linear Load <=7% - Non Linear load
Frequency Regulation - Free Run (Unsynchronised with bypass)	+ / - 0.5 Hz	+ / - 0.5 Hz	+ / - 0.5 Hz
Frequency Regulation (Synchronised with bypass)	47.5 to 52.5 HZ / 57.5 to 62.5 HZ	47.5 to 52.5 HZ / 57.5 to 62.5 HZ	47.5 to 52.5 HZ / 57.5 to 62.5 HZ
Creast Factor	3:1 max.	3:1 max.	3:1 max
AC - AC Efficiency	88% R-Load, 87% RCD - Load	88% R-Load, 87% RCD - Load	88% R-Load, 87% RCD - Load
Transfer time - Mains to battery	0 millisec	0 millisec	0 millisec
Transfer time - Inverter to bypass - Synchronisation mode	4 msec	4 msec	4 msec
INPUT PARAMETERS			
Configuration	1 phase, L-N + PE	1 phase, L-N + PE	1 phase, L-N + PE
Nominal Voltage	230 Vac	230 Vac	230 Vac
Voltage range	160V to 300V at 100% Load, At 60% Load 110V to 300 Vac	160V to 300V at 100% Load, At 60% Load 110V to 300 Vac	160V to 300V at 100% Load, At 60% Load 110V to 300 Vac
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Frequency range - Hz	40 - 70 Hz	40 - 70 Hz	40 - 70 Hz
Power Factor	>=0.95	>=0.95	>=0.95
BATTERY CHARGER			
Nominal Voltage - Float	41 Vdc	108 Vdc	82.1 Vdc
Maximum charging current - STD. / LB.	1A - STD and 4 / 8 A - LB	1A - STD and 4 / 8 A - LB	1A - STD and 4 / 8 A - LB
BATTERY PARAMETERS			
Type	SMF	SMF	SMF
No. of battery blocks	3	8	8
Battery Voltage	36 VDC	96 V	96V
ENVIRONMENTAL PARAMETERS			
Operating temperature	0 to 40 deg. centigrade	0 to 40 deg. centigrade	0 to 40 deg. centigrade
Storage temperature	-20 to 50 deg. centigrade	-20 to 50 deg. centigrade	-20 to 50 deg. centigrade
Noise level	<45db	<45db	<45db
MECHANICAL PARAMETERS			
Height X Width X Depth (MM)	220 X 145 X 388.5	318 X 190 X 387	318 X 190 X 387
Weight	13 kg. - STD., 7 kg. - LB	26 kg. - STD., 13 kg. - LB	28 kg. - STD., 13 kg. - LB
Colour / Panel finish	RAL 7016 dark grey	RAL 7016 dark grey	RAL 7016 dark grey
Protection	IP20	IP20	IP20
Communication Port	RS232, USB	RS232, USB	RS232, USB
EPO	Yes	Yes	Yes
MONITORING SOFTWARE	SNMP, dry contact card, UPSilon 2000	SNMP, dry contact card, UPSilon 2000	SNMP, dry contact card, UPSilon 2000
STANDARDS			
EMI	EN 62040-2: 2006	EN 62040-2: 2006	EN 62040-2: 2006
SAFETY	EN 62040-1-1: 2003	EN 62040-1-1: 2003	EN 62040-1-1: 2003
PERFORMANCE (technical feature)	IEC / EN 62040 - 3	IEC / EN 62040 - 3	IEC / EN 62040 - 3

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