



Liebert™

GXT RT+  
1/2/3 kVA



# Liebert GXT - RT+

(1, 2, 3 kVA Online UPS System)



**Liebert GXT RT+ DX series is a full featured transformer free scalable UPS designed to offer compact, efficient and reliable power to power thirsty modern electronic gadgets.**

It features double conversion online design that ensures continuous high quality power even when the main AC power fails. Utilize state of the art technology and components to withstand fluctuation of input main voltage. Extra wide input voltage and frequency range effectively reduces the discharging period of battery; thus prolong battery life.

Liebert GXT RT+ DX provides customers with a reliable source of uninterruptible power even in Harsh power environments, including very wide input voltage/Frequency window, Better output voltage regulation, frequency regulation, internal bypass, and input power factor correction and Low THDi.

## FEATURES

- IGBT Based Rectifier
- True online double Conversion with DSP control Rack Mount UPS with 1/2/3 kVA Capacity
- User friendly LCD display
- Wide Input voltage range
- Input power factor correction
- Smart battery charger design for optimized battery performance
- Generator compatible
- SNMP, USB & RS232 Multiple communication
- Eco Mode operation for energy saving
- Emergency power off function



Liebert GXT - RT+ 1,2,3 kVA

## APPLICATIONS

- Pcs & Workstations
- Small / Medium server rooms
- Datacenter
- Network Closet
- VoIP Telecom



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MODEL		GXT RT+ 1 kVA	GXT RT+ 2 kVA	GXT RT+ 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)		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), ≤ 6 % 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.		86%	88%	88%
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%	81.5 VDC ±1%
Long Run Model*	Battery Type	Depending on the capacity of external batteries		
	Numbers	2	4	6
	Charging Current	4 and 8 Amps, 8 Amps default		
	Float Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	81.5VDC
<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		Continuously sounding		
<b>PHYSICAL</b>				
*Standard Run Model	Dimension, D x W x H (mm)	380x438x88(2U)	480x438x88(2U)	600x438x88(2U)
	Net Weight (kgs)	12.9	20.6	28
Long Run Model*	Dimension, O x W x H (mm)	380x438x88(2U)	480x438x88(2U)	600x438x88(2U)
	Net Weight (kgs)	8.6	11.3	13.8
<b>ENVIRONMENT</b>				
Operation Humidity and Temperature		20-95 % RH @ 0- 40°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 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-Pratingx 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