

# Liebert GXT2

## 10kVA Tower UPS for Critical Network Protection

■ AC Power Systems for  
Business-Critical Continuity



### Key Benefits

- Online VFI Technology With Sinewave Output
- Compact Footprint
- Parallel configuration to grow in redundancy or power\*
- Automatic setup with 3-phase or single-phase input\*
- Extended Battery Options for Long Runtimes
- USB, Serial and Network Communications
- Advanced Early Warning Shutdown with MultiLink software
- User Configurable Settings, Voltage & Frequency
- Hot-Swappable, User Replaceable Batteries
- Dual or split bypass input mode available (only non-isolated version)
- Remote UPS Monitoring through SNMP/Web Card
- Available for redundant configurations in 1+1, 2+1 or 1+2 mode

### Applications

- Blade Servers and Pizza box (1U) servers
- LAN and WAN Network servers
- Clustered network equipment
- Voice over IP (VoIP) switches and routers
- Office Telecommunications systems
- Voicemail and e-mail servers
- Test and diagnostic equipment
- Micro processor-controlled equipment
- RAID arrays, parallel process servers and other
- LAN gateways, bridges, routers, ATM, ISDN & frame relay applications

### MultiLink Software

- Operating with any Liebert UPS, it protects the network PCs or Servers from crashes caused by power failure
- Prevents the loss of valuable data by performing unattended, orderly shutdown on one computer or multiple network computers with optional license kit
- Manages and monitors UPSs over the network with optional license kit

### Online UPS that delivers high-efficiency Protection of Critical Electronic Equipment

With its compact footprint and best-in-class features, the Liebert GXT2 10kVA Tower from Emerson Network Power is the ideal solution for the power protection of Small Server Rooms, Network Closet Applications, and other space constrained areas where sensitive electronic equipment requires a clean continuous power supply.

A double conversion UPS, compliant with the level "VFI SS 111" of performance, the Liebert GXT2 10 kVA tower is available with or without Isolation Transformer. With its easy to use LCD display, its very high efficiency and very low noise level, it is ideally suited for use in an office environment.

Its characteristics make the GXT2 10kVA tower a unique UPS in its range, with very high-level performances. It can be fed by a single-phase or three phase mains supply\*, it is parallelable up to three units\* and it features a Power Factor Controlled input for high input power factor and low rejected harmonics upstream, and extended battery cabinets for longer runtimes, up to 2 hours.

It features an internal Surge Suppression circuit (TVSS), an optional - additional - battery charger\*, and a manually operated maintenance bypass circuit which completely isolates the UPS electronics. The unit's controls are managed by a Digital Signal Processor for improved reliability. One of the highlights of this unit is its extremely wide input voltage tolerance window (176V-276V). This ensures a longer battery lifetime, and longer runtimes when really needed, even in bad input mains conditions.

The isolated unit is fitted with an Output Isolation multi-tap Transformer, which allows using the UPS at 110, 120 phase to neutral or 208, 220 phase to phase voltage - for dual phase input, with phases shifted by 180 degrees.

\* Only non-isolated version



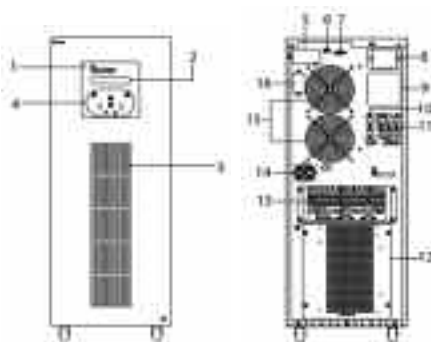
## Specification:

Model	GXT2-10000T230	GXT2-10000T220
<b>Technology</b>	Double Conversion Online	
<b>Power rating</b>	10000 VA - 7000 W	
<b>Input Parameters</b>		
Voltage	<ul style="list-style-type: none"> <li>• 230 VAC single phase</li> <li>• 230/400 VAC three phase (176-276 VAC 1x1 304-478 VAC 3x1)</li> </ul>	<ul style="list-style-type: none"> <li>• 208 VAC (176 - 276 VAC)</li> </ul>
Frequency	50Hz ± 5%; 60Hz ± 5% (Autoselection)	
Amperage (maximum)	60A	
Input Power Factor	Single Phase Input: 0.97 Three Phase Input: 0.95	0.97
<b>Output Parameters</b>		
Voltage	220-230-240 VAC ±2%	208, 220, 230, 240 VAC ±2%
Frequency	50Hz/60Hz (autoselection) ± 5%	
Output current	<ul style="list-style-type: none"> <li>• 220V → 46A</li> <li>• 230V → 44A</li> <li>• 240V → 42A</li> </ul>	<ul style="list-style-type: none"> <li>• 120V → 42A (2 sets)</li> <li>• 208V → 48A</li> <li>• 240V → 42A</li> <li>• 127V → 40A (2 sets)</li> <li>• 220V → 46A</li> </ul>
<b>Battery</b>		
Type	YUASA: REW 45-12 (12V / 45W / 9Ah)	
Transfer Time	0 second	
Operating Back up time 50% load	14 min	13 min
Operating Back up time 100% load	5 min	
Recharge time	5hr up to 90%	
<b>Connections</b>		
Input sockets	Hardwire: <ul style="list-style-type: none"> <li>• single phase: L/N/G</li> <li>• three phase: R/S/T/G</li> <li>• Dual input support</li> </ul>	Hardwire: <ul style="list-style-type: none"> <li>• single phase: L1/L2/G</li> <li>• dual input support</li> </ul>
Output sockets	Hardwire: <ul style="list-style-type: none"> <li>• single phase: L/N/G</li> </ul>	Hardwire: <ul style="list-style-type: none"> <li>• 120V/208V/240V</li> <li>• 127V/220V</li> <li>• (5K + 5K for low voltage)</li> </ul>
Communication	Intellislot port, REPO contacts, RS232 port, Parallel port (GXT2-10000T230 only), Relay contacts	
Surge Suppression Sockets	None	
<b>Physical</b>		
Unit Dimensions (WxHxD mm)	300x800x675	
Shipping Dimensions (WxHxD mm)	450x815x1040	
Unit Weight (kg)	110 (with batteries)	177(with batteries)
Shipping Weight (kg)	125	180
<b>Operating Environment</b>		
Operation temperature	0°C to 40°C	
Ideal Ambient temperature	15 °C to 25 °C	
Relative Humidity	90%	
Max Altitude (w/o derating)	1000 m a.s.l.	
<b>Warranty</b>	2 years	
<b>Extended battery cabinet</b>		
Battery type	YUASA NP7-12 12V7AH	
EBC Dimensions (WxHxD mm)	300x800x675	
Weight with integrated batteries (kg)	162	
Shipping Weight (kg)	165	
<b>Backup time (minutes)</b>		
Internal battery + 1 external (100% load/50% load)	23/53	22/52
Internal battery + 2 external (100% load/50% load)	43/98	42/95

Approximate discharge times are in minutes and at 25°C with resistive load.



Shutdown software



- |  |   |
|--|---|
| 1 Control panel                            | 11 Input breaker for three phase source                           |
| 2 LCD                                      | 12 Removable sheet panel (2nd charger board can be inserted here) |
| 3 Ventilation Louvers                      | 13 Hardwire input and output connector terminal block             |
| 4 Control keys                             | 14 External battery connector                                     |
| 5 Intellislot port (covered)               | 15 Cooling fans   |
| 6 REPO contacts                            | 16 Relay Contacts   |
| 7 Serial Comms port                        |   |
| 8 Parallel port                            |   |
| 9 Maintenance Bypass Switch (behind cover) |   |
| 10 Bypass source input circuit breaker     |   |

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■ AC Power	■ Connectivity	■ DC Power	■ Embedded Computing
■ Embedded Power	■ Monitoring	■ Out Side Plant	■ Power Switching e Controls
■ Precision Cooling	■ Rack & Integrated Cabinets	■ Services	■ Surge Protection

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