

LIEBERT® NX™ 3-PHASE UPS: 10-30kVA, 60Hz, 208VAC - SITE PLANNING DATA

The Liebert NX is a true on-line, double conversion, three-phase UPS system that delivers complete, centralized power protection for mission-critical systems.



Designed to meet the high availability power needs of a wide variety of IT applications, the UPS combines compact size, advanced operating features and low cost of ownership.

- Increases growth flexibility by handling larger loads, plus the ability to parallel 20 and 30 kVA modules for increased capacity and redundancy.
- Achieves higher availability by reducing the number of UPS units required to power your room.
- Reduces total cost of ownership through the use of longer life batteries and simplified preventive maintenance.

General Specifications

INPUT		OUTPUT	
Voltage	120/208VAC, 60Hz 3-phase, 4-wire plus ground	Voltage	120/208VAC, 60Hz 3-phase, 3- or 4-wire plus ground
Voltage Range without derating	+10%, -20%	Voltage Adjustment Range	±5%
Frequency Range	57-63Hz	Voltage Regulation	1% for balanced load 2% for 100% unbalanced load
Current Distortion	4% maximum reflected THD at full load	Dynamic Regulation	±5% deviation for 100% load step ±1% for loss or return of AC input
Current Limit	125% of full load input current	Transient Response Time	Recover to ±5% of output voltage within 1/2 cycle
Current Walk-In	20 seconds to full load	Voltage Distortion	For linear loads, 1% THD Less than 4% THD for 100% nonlinear loads without kVA/kW derating
Power Factor	0.99 lagging minimum at full load	Phasing Balance	120° ±0.5° for balanced load 120° ±1° for 100% unbalanced load
Surge Protection	Sustains input surges without damage, per criteria listed in IEC 1000-4-5	Frequency Regulation	±0.05% single module ±0.25% paralleled modules
ENVIRONMENTAL			
Operating Temperature	UPS: 32° to 104°F (0-40°C) Battery: 68° to 86°F (20-30°C)	Load Power Factor Range	0.70 lagging to 0.95 leading without derating
Non-Operating Temperature	-4° to 158°F (-20° to 70°C)	Overload	125% of full load for 10 minutes 150% for one minute, with true sinusoidal waveform
Relative Humidity	0-95% non-condensing	STANDARDS	
Operating Altitude	Up to 3,300 ft. (1,000m) without derating	Listed to UL 1778 UPS standards, and CSA certified. Meets current requirements for safe high performance UPS operation.	
Acoustical Noise	Less than 54 dBA typical, measured 3.3 ft. (1m) from the unit		

Internal Battery

Model	Battery Time (Minutes)				Added Battery Weight lb. (kg)
	10kVA	15kVA	20kVA	30kVA	
FR	26	14	9	—	550 (250)
HR	45	26	17	9	648 (294)

