

Liebert® NXC Specifications



Technical Characteristics (3/3 and 3/1 configurations)

Ratings (kVA)	10	15	20	30	40	60	80	100	120	160	200		
Input													
Nominal input voltage (V)	380/400/415												
Input voltage range without battery discharge (V)	305 to 477												
Nominal frequency (Hz)	50/60												
Input frequency range (Hz)	40 to 70												
Input power factor (kW/kVA)	0.99												
Current THD at full linear load (THDI%)	<5					<3							
Bypass voltage tolerance (%)	selectable from +20 to -40												
Bypass frequency tolerance (%)	±20 (±10 selectable)												
Battery													
Number battery cells per string	Max: 240; Min: 180			Max: 240; Min: 192				Max: 264; Min: 180					
Voltage temperature compensation (mV/°C/Cell)	-3.0 (selectable 0 to -5.0 around 25°C or 20°C or inhibit)						-3.0 (selectable from 0 to -5.0 around 25°C to 30°C, or inhibit)						
Battery charger max. power (kW)	4.5		6		7.5		12		18		24 30		
Output													
Nominal output voltage (V)	380/400/415 (three-phase) or 220/230/240 (single-phase)				380/400/415 (three-phase)								
Nominal output frequency (Hz)	50/60												
Nominal active power (kW)	9	13.5	18	27	36	54	80	100	120	160	200		
THDv with 100% linear load (%)	2												
Inverter overload capacity	105% for 60 min; 125% for 5 min; 150% for 1 min; >150% for 200ms						105% with continuous operation; 125% for 10 min; 150 for 1min; >150% for 200ms						
Double conversion efficiency	100%	94.4%	94.5%	94.2%	94.7%	94.4%	95.3%	95.7%	95.7%	95.6%	95.5%	95.3%	
	75%	94.0%	94.4%	94.5%	94.8%	94.7%	95.5%	95.9%	95.9%	95.8%	95.7%	95.7%	
	50%	93.5%	94.0%	94.4%	94.6%	94.8%	94%	95.9%	95.8%	95.9%	95.8%	95.8%	
	25%	90.5%	92.9%	93.5%	91.7%	93.6%	94%	95.0%	94.7%	95.0%	94.9%	94.9%	
ECO mode efficiency (%)	98.0%						99.0%						
Dimensions and weight													
Dimensions (W x D x H) mm	500 x 860 x 1240			600 x 850 x 1600			600 x 1000 x 1600			600 x 1000 x 2000			
Weight (excluding battery) kg	115/145			210/245		225/260		385/435		430/480		475/525 520/570	
Weight (including 32 batteries) kg	215/245			600/635		615/650		N/A					
General													
Noise at 1 m (dBA)	≤56	≤56	≤58	≤56	≤58	≤58	≤59	≤60	≤60	≤61	≤62		
Protection level IEC (60529)	IP20												
General and safety requirements for UPS	EN/IEC/AS 62040-1												
EMC requirements for UPS	EN/IEC/AS 62040-2												
UPS classification according to CEI EN 6240-3	VFI-SS-111												