

Technical Specifications

MODEL		LX60K3H	LX80K3H	LX100K3H
Capacity (VA/W)		60k/60k	80k/80k	100k/100k
INPUT				
Nominal Voltage (Vac)		380/400/415 (3Ph+N+PE)		
Operating Voltage Range (Vac)		138~305 for 40% load; 305~485 for 100% load		
Power Factor		≥0.99		
Harmonic Distortion (THDi)		≤3% Linear load		
Bypass Voltage Range (Vac)		Max.voltage: 220: +25% (Optional +10%, +15%, +20%) 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -15%, -20%, -30%)		
Bypass Frequency Range (Hz)		50/60±10%		
OUTPUT				
Nominal Voltage (Vac)		380/400/415 (3Ph+N+PE)		
Voltage Regulation		±1%		
Output Frequency (Hz)		Line mode: Synchronize with input, when the input frequency >±10% (±1%/±2%/±4%/±5% optional), output 50/60 (±0.1); Bat. mode: (50/60±0.2%)		
Crest Factor		3:1		
Harmonic Distortion (THDv)		≤2% with linear load; ≤4% with non linear load		
Overload	Inverter Mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter		
	Bypass Mode	30°C: 135% for long term; 40°C: 125% for long term; >1000%, 100ms		
EFFICIENCY				
AC Mode		Up to 95.5%		
ECO Mode		Up to 99%		
BATTERY				
Battery Type		VRLA/Li-ion		
Battery Voltage (Vdc)		360~600		
Charging Current (Max.)(A)		20		40
ENVIRONMENTAL				
Operating Temperature (°C)		0~40		
Storage Temperature (°C)		-25~55 (No battery)		
Humidity Range		0~95% (Non condensing)		
Altitude (m)		1000, derating required when >1000		
Noise Level (dB)		<58	<60	<62
PHYSICAL				
Dimension WxDxH (mm)		250×828×868	442×850×1200	
Weight (kg)		83	144	147
STANDARDS				
Safety		IEC/EN 62040-1, IEC/EN 62477-1		
EMC		IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)		
Performance		IEC 62040-3: 2021, EN IEC 62040-3: 2021		

- Specifications are subject to change without prior notice
- Data above are typical values for reference only, not as a basis for engineering design