

Technical Specifications

MODEL		LX15K3H	LX20K3H	LX40K3H
Capacity (VA/W)		15k/15k	20k/20k	40k/40k
INPUT				
Nominal Voltage (Vac)		380/400/415 (3Ph+N+PE)		
Operating Voltage Range (Vac)		305~478 (Full load); 208~478 (50% 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 -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: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Bat. mode: 50/60 (±0.1%)		
Crest Factor		3:1		
Harmonic Distortion (THDv)		≤2% Linear load; ≤5% Non linear load		
Overload	AC mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% immediately turn to bypass		
	Bat.mode	≤110% 10min, ≤125% 1min, ≤150% 5s, >150% immediately shut down		
EFFICIENCY				
AC Mode		Up to 93.5%	Up to 94.5%	Up to 95.2%
ECO Mode		Up to 98.0%	Up to 98.2%	Up to 98.6%
BATTERY				
Battery Type		VRLA (Lead acid maintenance free battery)		
Battery Voltage (Vdc)		10~30kVA: ±96/108/120; battery quantity (16~20pcs, 16pcs default, 20pcs no power derating; 18pcs output power factor 0.8/0.9; 16pcs output power factor 0.7/0.8)		40kVA: ±180~300 (30~50pcs)
		±180~300 (30~50pcs)		
Charging Current (Max.)(A)		16	18	20
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)		<55	<58	<64
PHYSICAL				
Dimension WxDxH (mm)		250×580×655		
Weight (kg)		39	40	46
STANDARDS				
Safety		IEC/EN 62040-1, IEC/EN 62477-1		
EMC		IEC/EN 62040-2 (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, IEC 61000-2-2)		
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