

Technical Specifications

MODEL	LX2KTON		LX3KTON	
Capacity (VA/W)	2000/1800		3000/2700	
INPUT				
Nominal Voltage (Vac)	208/220/230/240			
Operating Voltage Range (Vac)	110~300 (176~264 @ 100% load)			
Power Factor	≥0.99			
Bypass Frequency Range (Hz)	40~70 (50/60 Auto-Sensing)			
OUTPUT				
Nominal Voltage (Vac)	208/220/230/240			
Voltage Regulation	±1%			
Power Factor	0.9			
Output Frequency (Hz)	Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%)			
Crest Factor	3:1			
Harmonic Distortion (THDv)	≤3% Linear load; ≤5% Non linear load			
Transfer Time (ms)	AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical)			
Waveform	Pure Sinewave			
EFFICIENCY				
AC Mode	Up to 91%		Up to 92%	
ECO Mode	Up to 96%		Up to 97%	
BATTERY				
Battery Type	VRLA (Lead acid maintenance free battery)			
Battery Voltage (Vdc)	48	72	72	96
Battery Capacity (Ah)	S: 7/9; H: Depends on the capacity of external batteries			
Battery Quantity (pcs)	4	6	6	8
Typical Recharge Time (hours)	S: 4 (To 90% of full capacity)			
Charging Current (Max.)(A)	1			
MANAGEMENT				
LED Display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
LCD Display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time			
ENVIRONMENTAL				
Operating Temperature (°C)	0~40			
Storage Temperature (°C)	-25~55			
Humidity Range	20~95%RH @ 0~40°C (Non condensing)			
Altitude (m)	<1000, derating required between 1000 to 3000			
Noise Level (dB)	<50			
PHYSICAL				
Dimension WxDxH (mm)	191×460×337(144×399×209)		191×460×337	
Weight (kg)	19.5(15.4)	24.5	24.5	29.5
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			

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design