

👉 LX Series (6000-10000)

1:1 Phase PF 0.9

Power range: 6~10kVA



👉 Features

- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110~286Vac
- Input power factor 0.99 with PFC
- Wide input frequency range
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Dry contact card/SNMP card optional)
- Cold start
- Design with maintenance switch (Optional)
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Dry contact card



SNMP card

Technical Specifications

MODEL		LX6KTON		LX10KTON	
Capacity (VA/W)		6000/5400		10000/9000	
INPUT					
Nominal Voltage (Vac)		208/220/230/240			
Operating Voltage Range (Vac)		110~286			
Power Factor		≥0.99			
Harmonic Distortion (THDi)		≤3% (Linear load)			
Bypass Voltage Range (Vac)		Max.voltage: 230~264; Min.voltage: 176~220			
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: ±10% of the rated frequency; Bat. mode: (50/60±0.1%)			
Crest Factor		3:1			
Harmonic Distortion (THDv)		≤2% Linear load; ≤5% Non linear load			
Transfer Time (ms)		AC mode to Bat. mode: 0; Inverter to Bypass: 5 (Typical)			
Waveform		Pure Sinewave			
Overload	Line mode	Load≤105% long time running; ≤125% last 10min; ≤130% last 30s; > 130% turn to bypass mode immediately			
	Bypass mode	40A (Breaker)		63A (Breaker)	
EFFICIENCY					
AC Mode		Up to 93.5%			
ECO Mode		Up to 97.5%			
BATTERY					
Battery Type		VRLA (Lead acid maintenance free battery)			
Battery Voltage (Vdc)		192 (Default)/216/240	192/240 (Default)	192 (Default)/216/240	192/240 (Default)
Battery Capacity (Ah)		9 (7 Optional)			
Typical Recharge Time (hours)		6~8 (To 90% of full capacity)			
Charging Current (Max.)(A)		1.35 (Standard unit); Long run unit Max.current 8 (Charging current can be set according to battery capacity)			
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,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)		<55		<58	
PHYSICAL					
Dimension WxDxH (mm)		H: 191×460×337; S: 191×460×720 (With caster)			
Weight (kg)		12	69.5	13.5	71
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

MP BT 6-10kVA Battery Pack Specification

MODEL	MP BT40240		
BATTERY SYSTEM			
Battery Type	VRLA (Lead acid maintenance free battery)		
Typical Battery Recharge Time (hours)	6~8 (To 90% of full capacity)		
Typical Battery Life (years)	3~5 years, depend on discharging cycle and ambient temperature		
System Voltage (Vdc)	192	216	240
Battery Quantity (pcs)	2x16	2x18	2x20
Capacity (Ah)	7/9		
PHYSICAL			
Dimension WxDxH (mm)	250x619x616 (With caster)		
Weight (kg)	106/114	114/124	122/134
ENVIRONMENTAL			
Operating Temperature (°C)	0~40		
Humidity Range	0~95%RH @ 0~40°C (Non condensing)		
Altitude (m)	<1000, derating required between 1000 to 3000		
Noise Level (dB)	<40		
STANDARDS			
Safety	EN IEC 62040-1: 2019+A11:2021		

