

Technical Specifications

MODEL		LX6KRACK
Capacity (VA/W)		6000/6000
INPUT		
Nominal Voltage (Vac)		208/220/230 (Default)/240
Operating Voltage Range (Vac)		110~300 (110~300@50% load/176~300@100% load)
Power Factor		≥0.99
Input Connection		HW terminal (L+N+G)
Harmonic Distortion (THDi)		<2%
Bypass Voltage Range (Vac)		Max.voltage: 208/220: +25% (Optional +10%, +15%, +20%) 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -20%, -30%)
OUTPUT		
Nominal Voltage (Vac)		208/220/230 (Default)/240
Voltage Regulation		±1%
Power Factor		1.0
Output Connection		Programmable: C19*2+C13*3; Non-programmable: HW terminal (L+N+G)
Output Frequency (Hz)		Online mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Battery mode: 50/60±0.1%
Crest Factor		3:1
Harmonic Distortion (THDv)		<1% Linear load ; <3% Non linear load
Transfer Time(ms)		AC mode to Bat.mode: 0; Inverter to Bypass: 0
Waveform		Pure Sinewave
Overload	Online mode	Load≤110%, 60min; ≤125%, 10min; ≤150%, 1min; >150%, turn to bypass mode immediately
	Battery mode	Load≤110%, 10min; ≤125%, 1min; ≤150%, 10 second; >150%, 0.5 second shut down
	Bypass mode	105%≤load≤130%, only overload alarm; ≤150%, 10min; ≤200%, 1min; >200%, 0.5 second shut down
EFFICIENCY		
AC Mode		Up to 95%
ECO Mode		Up to 98.8%
BATTERY		
Battery Voltage (Vdc)	VRLA battery	192 (7/9Ah)
	Lithium battery	/
Charging Current (Max.)(A)		1.35 Default (12, 15 Optional) Charging current adapts to the battery type and battery capacity
MANAGEMENT		
LED Display		Online mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault
LCD Display		Input voltage, Input frequency, Input current, Output voltage, Output frequency, Output current, Load percentage, Battery voltage, Battery charging/discharging current, Ambient temperature & Remaining battery backup time
ENVIRONMENTAL		
Operating Temperature (°C)		0~40
Storage Temperature (°C)		-25~55
Humidity Range		0~95%RH @ 0~40°C (Non condensing)
Altitude (m)		<1000, derating required between 1000 to 3000
Noise Level (dB)		<45
PHYSICAL		
Dimension WxDxH (mm)		440×621.5×175 (4U)
Weight (kg)		57/65
STANDARDS		
Safety		EN IEC 62040-1: 2019 + A11:2021
EMC		IEC 62040-2: 2016, EN IEC 62040-2: 2018, C2
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
 - *Online mode, full load, float charging
- H: long run unit (battery not included)
S: standard unit