

# Full featured. Full color. Full protection.

## N1C LK-Series Lithium-Ion UPS.

5, 6 & 10kVA Online Double Conversion UPS with External Batteries

### Features

**Capacities:** 5, 6 & 10kVA, 208-240VAC

**Unity Power Factor:** Maximum loadouts, maximum protection

**Expandable:** Parallel connect up to 4x units for capacity or redundancy

**Life Cycle:** 10+ year design life (at 77°F) & 4000+ charge/discharge cycles

**Long Runtime:** Up to 8x batteries in parallel for maximum autonomy

**Intuitive:** Full featured, gravity sensing, color touch screen display

**Quiet & Compact:** ≤45dB for 5 & 6kVA, 2U rack height UPS and battery modules

**Industry-Leading Warranty:** 10-Year Electronics & Battery Warranty (USA/Canada)

**Includes:** SNMP Card, Monitoring Software, Rail Kits, Tower Feet

### Benefits



#### High Power Density

Get more energy in less space. Lithium-Ion provides more power where you need it and longer backup times for your critical loads.



#### Safe and Reliable

Includes LiFePO4 battery chemistry and integrated battery management system.



#### Heat Tolerant

LiFePO4 offers better performance over VRLA in high temp environments.



#### Longer Life Span

Has up to 15-year battery life and supports 10x more discharge cycles over VRLA.



#### Environmentally Friendly

Charge them faster. Replace them less often. Lithium-Ion solutions require less energy to transport, operate and maintain.



#### Lower Costs

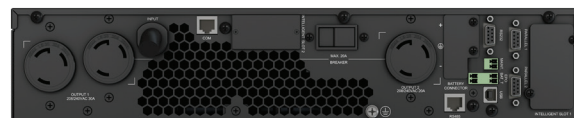
Longer life and fewer replacements means money saved and lower TCO.

# LK-Series: 5-10kVA Lithium-Ion UPS Systems

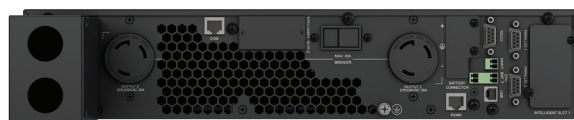
Model		N1C.LK5000	N1C.LK6000	N1C.LK10000	
Input	Voltage (VAC)	208-240			
	Voltage Range	110-300VAC (110-176 @ 50% load / 176-300 @ 100% load)			
	Frequency (Hz)	40-70Hz (auto sensing)			
	Harmonic Distortion	<2% THDi			
	Input Connection	L6-30P	Hardwire (L+L+G)		
Output	Capacity (VA/W)	5kVA/5kW	6kVA/6kW	10kVA/10kW	
	Power Factor	1.0			
	Voltage (VAC)	208, 220, 230, 240 selectable (±1%)			
	Frequency (Hz)	50/60Hz, ±10% (line mode), ±0.1% (battery mode)			
	Harmonic Distortion	<1% THDv Full Linear Load / <3% THDv Full Non Linear Load			
	Waveform	Pure Sine Wave			
	Parallel Connectable	Yes, up to 4x of same UPS units			
	Transfer Time	0 ms AC loss to battery mode & inverter to bypass mode			
	Overload (online)	105-110%: 60 mins; 110-125%: 10 mins; 125-150%: 1 minute; >150%: 0.5 seconds			
	Overload (battery)	105-110%: 10 mins; 110-125%: 1 min; 125-150%: 10 seconds; >150%: 0.5 seconds			
	Efficiency	Up to 95% (online) 97.5% (ECO)	Up to 95.5% (online) 98% (ECO)		
	Output Connections	(1) L6-20R* + (2) L6-30	Hardwire + (2) L6-30R*		
	Battery	Voltage (VDC)	192VDC		
		Recharge Time	~4 hours (single battery, depleted to ~90%)		
Battery Quantity		1x EBM required. Up to 8x EBM for max runtime. (per UPS)			
Run Time* (mins) w/ Single EBM		45 @ 50% 19 @ 100%	35 @ 50% 15 @ 100%	20 @ 50% 9 @ 100%	
Capacity		12Ah / 2304Wh			
Charge Current		12A	15A		
<b>Communications</b>	SNMP Network Card, EPO, Dry Contact Card (Optional)				
<b>Software</b>	Multi-UPS Monitoring, Safe Shutdown, Network Config Tool Included (License Free, Windows OS)				
<b>Topology</b>	Online Double Conversion				
<b>Alarm</b>	Low Battery, Abnormal AC Input, UPS Failure, Overload				
<b>Protection</b>	Low Output Voltage, Overload, Short-circuit, Over Temp, Over Charge/Discharge, Fan Fault				
<b>Working Temp.</b>	32-122°F				
<b>Humidity</b>	0~95%, Non-condensing				
<b>Noise (@1m, online, full load)</b>	≤45dB		≤50dB		
<b>Certifications (UPS)</b>	cTUVus: UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + G11				
<b>EMC</b>	FCC 47 CFR Part 15 Subpart B, Class A				
<b>Certifications (EBM)</b>	UL1973				
<b>Dimensions - (UPS)</b>	3.4 (2U) x 17.3 x 24.5 (HWD, inches)				
<b>Weight - (UPS)</b>	36.4 (lbs)	34.2 (lbs)	37.5 (lbs)		
<b>Dimensions - (EBM)</b>	3.4 (2U) x 17.3 x 26.9 (HWD, inches)				
<b>Weight - (EBM)</b>	74.9 (lbs)				



Gravity-sensing color LCD touchscreen rotates automatically based on position



N1C.LK5000



N1C.LK6000 & N1C.LK10000



N1C.LK192EBM2U



N1C LK Series UPS with N1C.LK192EBM2U external battery

## Available Accessories from N1C

- 10kVA & 20kVA Rack-mounted Maintenance Bypass PDUs
- 3kW, 5kW, 6kW & 10kW Step-Down Transformers (208/240—240/120VAC)
- Dry Contact Cards
- Environmental Monitoring Devices
- Universal 2-/4-Post Rack Rail Kits

**Specifications are subject to change without prior notice.** Runtimes may vary based on conditions.

**NOTE:** Additional N1C lithium-ion UPS models available. See [www.n1critical.com/](http://www.n1critical.com/) for more information.

\* Programmable outlet(s)

[WWW.N1CRITICAL.COM](http://WWW.N1CRITICAL.COM)

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