



Keep your high-capacity equipment on even longer.

N1C LR-Series Long Run Lithium-Ion UPS.

6-10kVA Online Double Conversion UPS with External Batteries

Features

Capacities: 6 & 10 kVA UPS 208-240VAC Single Phase;
6kva 208-240/120VAC w/ Transformer Bundle

Battery Choices: 50Ah 2U or 100Ah 3U LiFePO4 EBM

Life Cycle: 8,000 charge/discharge cycles at 77°F (25°C)

Long Runtime: Up to 8 hours (6kva) or 5 hours (10kVA) with multiple EBMs

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.

N1C Technologies. On. And on.

For more info see: www.n1critical.com/shop

LR-Series: 6-10kVA Long Run Lithium-Ion UPS Systems

Model		N1C.LR6000	N1C.LR6000S	N1C.LR10000
Input	Voltage (VAC)	208-240		
	Frequency (Hz)	50/60±5%		
	Power Factor	0.9	0.8	
	Input Connection	Hardwire		
Output	Capacity (VA/W)	6000/5400		10000/8000
	Voltage (VAC)	208, 220, 230, 240	240/120 via transformer	208, 220, 230, 240
	Frequency (Hz)	50/60±0.2% (Battery Mode)		
	Waveform	Pure Sine Wave		
	Parallel Connectable	Yes, N+1 or up to 36kVA	No	
	Transfer Time	0 ms		
	Overload	100% to ≤105% Continuous 105% to ≤125% for 10min 125% to ≤150% for 1min ≥150% for 100ms		
Output Connections	Hardwire	Hardwire UPS + (4) 5-20R + (1) L6-30R + (1) L14-30R on Tfmr	Hardwire	
Battery	Voltage (VDC)	48V		
	Run Time w/ Single 100Ah EBM (estimated mins*)	100 @ 50% 50 @ 100%	66 @ 50% 33 @ 100%	
	Battery Capacity (Ah)	50Ah or 100Ah Up to 10 of Either	100Ah Only Up to 10	
	Charger Current (A)	2-60A (Selectable)		
Communications	SNMP Network Card, EPO, Dry Contact Card (Optional)			
Software	Multi-UPS Monitoring, Safe Shutdown, Network Config Tool Included (License Free, Windows OS)			
Topology	Online Double Conversion			
Alarm	Low Battery, Abnormal AC Input, UPS Failure			
Protection	Low Battery, Overload, Short-circuit, Over Temperature			
Working Temp.	32-122°F			
Humidity	0~95%, Non-condensing			
Certifications	UL1642, UL1778 (TÜV), CSA C22.2 No. 107.3, FCC Part 15 Class A, UN38.3 (Battery)			
Dimensions - (HxWxD)	5.2" (3U) x 17.2" x 16.3" UPS	5.2" (3U) x 17.2" x 16.3" UPS 3.4" (2U) x 17.2" x 20.6" Tfmr	5.2" (3U) x 17.2" x 35.5" UPS	
Weight - (lbs)	33 UPS	33 UPS + 104 Tfmr	68 UPS	

Model		N1C.L4850EBM2U	N1C.L48100EMB3U
Rating	48 VDC / 50Ah	48 VDC / 100Ah	
Cell Type	Aluminum Case LiFePO4 Cell		
Float (VDC)	52.5-53.5 V		
Cutoff (VDC)	42 V		
Charge Current	50A Max (1C)	100A Max (1C)	
Discharge Current	75A Continuous 100A Peak (2C)	150A Continuous 200A Peak (2C)	
Power Switch	2P Power Switch		
Cycle Life	8,000 Cycles @ 77°F		
Paralleleable	Yes, 1-10 Per UPS Module		
Parameters	Resistance Ω	<15m Ohm	
	Protection	BMS + Circuit Breaker	
	LED Display	Battery Status, Battery Level, Battery Fault, Alarms	
	Comms.	RS485 (RJ45) & Extension Port (RJ11)	
Size	Dimensions (HxWxD)	3.5" (2U) x 17.2" x 24.8"	5.2" (3U) x 17.2" x 24.8"
	Weight (lbs)	62	133
Environment	Working Temperature	32-122°F	
	Storage Limitations Without Recharge	-4-77°F for 18 Months 77-113°F for ~3 Months 113-140°F for ~1 Month 68°F ± 5°F Recommended Storage Temperature	
	Humidity	0-95% Non-condensing	



N1C.L48100EMB3U

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/shop for more information.

WWW.N1CRITICAL.COM