



Keep your critical equipment on even longer.

N1C LR-Series Long Run Lithium-Ion UPS.

1.5-3kVA Online Double Conversion UPS with External Batteries

Features

Capacities: 1.5, 2 & 3 kVA UPS with up to 10x Lithium-Ion External Battery Modules; 110-120VAC and 208-240VAC Single Phase Options

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

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

Long Runtime: >60 mins on a single battery at 2kVA load

Smart Outlets: Programmable outlets on 1.5 & 2 kVA

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.

LR-Series: 1.5-3kVA Long Run Lithium-Ion UPS Systems

Model		N1C.LR1500 N1C.LR1500G	N1C.LR2000 N1C.LR2000G	N1C.LR3000 N1C.LR3000G
Input	Voltage (VAC)	110-120 208-240 (G-models)		
	Frequency (Hz)	50/60±5%		
	Power Factor	0.9		0.98
	Input Cord (9')	5-15P L6-15P	5-20P L6-20P	Hardwire Hardwire
Output	Capacity (VA/W)	1500/1350	2000/1800	3000/2940
	Voltage (VAC)	100/110/115/120/125 200/208/220/230/240		110/120 208/220/230/240
	Frequency (Hz)	50/60±0.2% (Battery Mode)		
	Waveform	Pure Sine Wave		
	Parallel Connectable	No	No	N+1 Redundant or up to 9kVA Capacity
	Transfer Time	0 ms		
	Overload	100% - ≤110% Continuous 110% - ≤130% for 5min >130% for 2s		100% - ≤105% cont. 105% - ≤125% for 10min 125% - ≤150% for 30s
	Output Connections	(8) 5-15R (8) C13	(8) 5-15/20R (8) C13	Hardwire Hardwire
Battery	Voltage (VDC)	48V		
	Run Time w/ Single 50Ah EBM (estimated mins*)	180 @ 50% 92 @ 100%	138 @ 50% 69 @ 100%	79 @ 50% 31 @ 100%
	Battery Capacity (Ah)	50Ah or 100Ah EBM Options (see right) Up to 10 of Either		
	Charger Current (A)	2A-8A (Selectable)		2A-60A (Selectable)
Communications	SNMP Network Card, EPO, Dry Contact (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 Temperature	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 - UPS (HxWxD)	3.4" (2U) x 17.2" x 16.5"		3.4" (2U) x 17.2" x 16.3"	
Weight - UPS (lbs)	17	18	32	

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	
Parallelable		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 in)**	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.L4850EBM2U

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