

"Disrupting the Uninterruptible Power Industry"

LR Series 6 & 10kVA UPS with External Batteries 208-240V and 208-240/120V Output Systems

N1C UPS Power Lithium-Ion (LiFePO) **Extra Long Runtime**

- 6 & 10 kVA UPS with up to 10x Lithium Ion EBMs •
- **Rack Mounted with Front and Rear Facing Options** •
- Life Cycle: 8,000 cycles at 77°F (25°C)
- 15-Year Battery Life Reduces Cost of Ownership •
- More On Battery Runtime vs. Similar kVA Size Units

KEY BENEFITS of Lithium-Ion



High Power Density - Lithium-Ion batteries have over 5 times the energy and take up about 1/3 the space of a VRLA-based solution that delivers the same power. This means more power in the same or smaller footprint. More power also means longer backup run times for your critical loads!



Smaller Footprint – A smaller footprint translates to reduced cooling requirements, as well as about two-thirds reduction in weight. This offers the installation flexibility needed by many IT Departments.



Heat Tolerant - These lithium-ion batteries can handle working temperatures of up to 122°F. Where VRLA battery life is reduced by half for every 10°F over 71°F, Li-Ion battery life is largely unaffected.







 Parallel 6kVA UPS for N+1 or up to 36kVA Capacity Split Phase 6kVA 120V output without transformer

- Online Double Conversion Power Protection
- Eliminate UPS Battery Replacements
- **10-Year Replacement Warranty Included**

Life Span - The average life span of a VRLA battery is 3–5 years in ideal conditions. N1C Lithium-Ion battery life is 10-15 years in nearly all conditions. Long life batteries reduce the burden and cost of down time and maintenance.

Environmentally Friendly

Other than the obvious — that Lithium-Ion batteries do not use lead — there are many other "green" benefits. Lithium-lon batteries require less charging time and power, need to be replaced less often, and use less energy to produce and transport

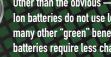
TION GU



N1 Critical Technologies, Inc. "Leaders In Lithium"

211 N. Parker Drive Janesville, WI 53545 855-208-0011 sales@n1critical.com lithium-ion-ups.com





6-10kVA Long Run Lithium-Ion UPS Systems





Battery

	J			
MODEL		N1C.L4850EBM2U	N1C.L48100EBM3U	
GENERAL	Rating	48 Vdc / 50Ah	48 Vdc / 100Ah	
	Cell Type	Aluminum Case LFP cell		
	Charge (V)	52.5-53.5Vdc		
	Discharge (V)	42Vdc		
	Charge Curr.	50A max (1C)	100A max (1C)	
	Dischg. Curr.	75A Continuous 100A Peak (2C)	150A Continuous 200A Peak (2C)	
	Power Switch	2P power switch		
	Cycle Life	8,000 cycles at 77°F		
	Parallelable	Yes, up to 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)	61.7	132.3	
ENVIRONMENT	Operational Temperature	32°F to 122°F		
	Storage Temperature	-4-77°F for 18 months 77-113°F for ~3 months 113-140°F for ~1 month 68°F ± 5°F is the recommended storage temperature		
	Humidity	0-95%		

pecifications are subject to change without prior notice. Runtime may vary based on conditions and age of battery. Allow ~2-3" for wiring connections on back of UPS/Battery Artwork is for reference only. Actual units may look different. &10kVA UPS module and 50Ah EBM models depicted above.

NOTE: 1-3kVA UPS modules (110/120V and 208-240V) also available in the LR Series.

See www.n1critical.com/shop for more information!



UPS

MODEL		N1C.LR6000	N1C.LR6000S	N1C.LR10000	Ν
INPUT	Voltage (Vac)	208-240V	208-240V w/ Neutral	208-240V	
	Frequency (Hz)		50/60±5%		
	Power Factor	0.9	0.9	0.8	
	Input Connection		Hardwire		
Ουτρυτ	Capacity (VA/W)	6000/5400	6000/5400	10000/8000	
	Voltage (Vac)	208-240V	208-240/120V	208-240V	Ľ
	Paralle Connect UPS	Yes, N+1 or up to 36kVA No			
	Frequency (Hz)	50/60±0.2% (battery mode)			
	Waveform	Pure Sine wave			
	Transfer Time	0 ms			y
	Overload	100% to ≤105% Continuous 105% to ≤125% for 10min 125% to ≤150% for 1min ≥150% for 100ms			
	Output Connections	Hardwire			
BATTERY	Voltage (Vdc)	48Vdc			
	Battery Capacity (Ah)	50Ah or 100Ah Up to 10 of either	50Ah or 100Ah Up to 10 of either	100Ah only Up to 10	
	Charger Current (A)	(10A standard selectable amperage)	Ŀ
	Battery Life	10+ year design life (77°F) & 8000+ charge/discharge cycles			
OTHER	Communications	SNMP Network Card, EPO, Dry contact (optional)			
	Тороlоду	Online Double Conversion			
	Alarm	Low battery, Abnormal AC input, UPS failure			
	Protection	Low battery, overload, short-circuit, over temperature			-
	Working Temperature	32-122°F (UPS)			Sp
	Relative Humidity				* R **
	Dimensions - UPS Module (HxWxD in) **	5.2″ (3U) x 17.2″ x 16.3″	5.2″ (3U) x 17.2″ x 19.9″	5.2″ (3U) x 17.2″ x 16.3″	Ar 68
	Weight - UPS (lbs)	33	73	68	N 14



LR6000 Rear

N1 Critical Technologies, Inc. 855-208-0011 | sales@n1critical.com lithium-ion-ups.com