N1C

Short on space.
Long on power protection.

N1C LS-Series Short-Depth Lithium-Ion UPS.

1-3kVA Online Double Conversion UPS with Internal Batteries

Features

Capacities: 1, 1.5, 2 & 3 kVA UPS; 110–120VAC & 208-240VAC

Compact: 11.9" deep — perfect for wall-mount racks and small IDF switch stacks

Quiet: Only 41dB @ 1 meter for ultra quiet operation

Life Cycle: 10+ year design life (at 77°F) & 2000+ charge/discharge cycles

Online Topology: Protection from 9 power problems, 0ms transfer time

Smart Outlets: Programmable outlets banks

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.

LS-Series: 1-3kVA Short Depth Lithium-Ion UPS Systems

Model		N1C.LS1000	N1C.LS1500	N1C.LS2000	N1C.LS3000	N1C.LS1000G	N1C.LS1500G	N1C.LS2000G	N1C.LS3000G
Input	Voltage (VAC)	100/110/120/125/127				200/208/220/230/240			
	Frequency (Hz)	40-70Hz				40-70Hz			
	Input Cord (9')	5-15P	5-15P	5-20P	L5-30P	C14	C15	L6-20P	L6-20P
Output	Capacity (VA/W)	1000/900	1500/1350	2000/1800	3000/2700	1000/900	1500/1350	2000/1800	3000/2700
	Power Factor	0.9				0.9			
	Voltage (VAC)	100^/110/115/120/125 ±1% (Selectable)				200^/208^/220/230/240 (selectable) ±1%			
	Frequency (Hz)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz				50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz			
	Waveform	Pure Sine Wave				Pure Sine Wave			
	Harmonic Distortion	≤2 % THD (Linear Load) ; ≤4 % THD (Non-linear Load)				≤2 % THD (Linear Load) ; ≤4 % THD (Non-linear Load)			
	Transfer Time	0 ms AC to battery				0 ms AC to battery			
	Overload (AC mode)	100% - ≤110% Continuous, 110% - ≤130% for 5 min, 130% - ≤140% for 30 sec, >140% for 1.5 sec.				100% - ≤110% Continuous, 110% - ≤130% for 5 min, 130% - ≤140% for 30 sec, >140% for 1.5 sec.			
	Overload (Battery mode)	100% - ≤110% Continuous, 110% - ≤130% for 1 min, 130% - ≤140% for 2 sec, >140% for 1.5 sec.				100% - ≤110% Continuous, 110% - ≤130% for 1 min, 130% - ≤140% for 2 sec, >140% for 1.5 sec.			
	Output Connections	(8) 5-15R	(8) 5-15R	(8) 5-15/20R	(6) 5-15/20R, (1) L5-30R	(8) C13	(8) C13	(6) C13 + (1) C19	(6) C13 + (1) C19
LiFePO4 Battery	Voltage (VDC)	25.6V	38.4V	38.4	51.2V	25.6V	38.4V	38.4	51.2V
	Full-Load Runtime (mins)	7.5	7.5	4.8	4.2	7.5	7.5	4.8	4.2
	Half-Load Runtime (mins)	16	16	12	11	16	16	12	11
	Battery Capacity	6Ah	6Ah	5Ah	5Ah	6Ah	6Ah	5Ah	5Ah
	Charger Current	2A				2A			
	Recharge Time	~2 Hours to 90%, 3 hours to full				~2 Hours to 90%, 3 hours to full			
Efficiency		90% AC mode, ≥96% ECO mode, 88% Battery mode (@ full load)							
Communications		SNMP Network Card, EPO, USB, RS232, Dry contact (optional)							
Ruggedized		Conformal Coating Spray on Circuit Boards							
Software		Multi-UPS Monitoring, Safe Shutdown, Network Config Tool Included (License Free, Windows OS)							
Topology		Online Double Conversion							
Indicators		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator via LCD							
Alarm		Battery mode, Low battery, Overload, Fault							
Protection		Low Battery, Overload, Short-circuit and Over Temperature							
Working Temperature		32-122°F							
Humidity		20~95%, Non-condensing							
Sound Level		41dBA @ 1 meter							
Certifications		UL1778, CSA 22.2, NO. 107.3-14, CFR 47 FCC Part 15, Subpart B, Class A, Comply to Energystar 2.o, UL1973 (batt), IEC62619							
Dimensions (HxWxD)		3.4" (2U) x 17.2" x 11.9"			5.2" (3U) x 17.2" x 11.9"	3.4" (2U) x 17.2" x 11.9"			5.2" (3U) x 17.2" x 11.9"
Weight (lb)		TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Specifications are subject to change without prior notice. ^ Derate capacity to 90% * Runtime may vary based on conditions and age of battery. Artwork is for reference only. Actual units may look different.

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