



Small. Powerful. Dependable.

N1C C-Series Lithium-Ion UPS.

1-3kVA Compact Online Double Conversion UPS

Features

Capacity: 1-3kVA 110-120VAC & 1kVA 208-240VAC

Multiple Options: Internal or External Batteries (2.2 & 3kVA), Medical Grade (1kVA)

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

Long Runtime: Up to 75 mins full load

Smart: Programmable outlets & Environmental Monitoring options

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

Includes: SNMP Card, Monitoring Software, Rail Kit

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

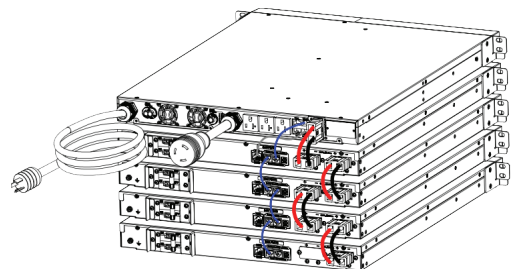
Longer life and fewer replacements means money saved and lower TCO.

C-Series: 1, 1.5, 2.2 & 3kVA Lithium-Ion UPS Systems

Model		N1C.C1000	N1C.C1000G	N1C.C1500	N1C.C2200	N1C.C3000
Input	Voltage (VAC)	110/120	208-240VAC	110/120		
	Frequency (Hz)	40-70Hz Auto Sensing				
	Power Factor	≥0.99 @ Nominal voltage (full load)				
	Input Cord	5-15P (9' length)	C14 socket	5-15P (6' length)	5-20P (6' length)	L5-30P (6' length)
Output	Capacity (VA/W)	1000/900 (0.9 output power factor)		1500/1350	2200/1980	3000/2700
	Voltage (VAC)	110/120±1%	220/230/240 ±1%	110/120±1%		
	Frequency (Hz)	57 ~ 63 Hz or 47 ~ 53 Hz (Online Mode) or 50 Hz ± 0.3 Hz or 60Hz ± 0.3 Hz (Battery Mode)				
	Waveform	Pure Sine Wave, ≤3 % THD (Linear Load) ; ≤5% THD (Non-linear Load)				
	Transfer Time	0 ms online to battery after utility loss, 4 ms online to bypass mode				
	Overload	100%~105%: audible warning. 105%-130%: UPS shuts down in 10 seconds at battery mode or transfers to bypass mode after 2min when the utility is normal. >130%: UPS shuts down immediately at battery mode or transfer to bypass mode after 10s when the utility is normal.				
	Output Connections	(3) 5-15R (2 are programmable)	(3) C13 (2 are programmable)	(4) 5-15R	(4) 5-15/20R	(3) 5-15/20R + (1) L5-30R
Battery	Voltage (VDC)	25.6V (internal battery only)		38.4V (internal only)	48V + optional 48V external	
	Battery Capacity (Ah)	6Ah		6Ah	5Ah	5Ah
	Battery Chemistry	Lithium-Iron Phosphate (LiFePO4)				
	Recharge Time (internal)	6 hours to 90% capacity		4 hours to 90%	2 hours to 90%	
Communications		SNMP Network Card, EPO, USB, RS232, Dry contact (optional)				
Software		Multi-UPS Monitoring, Safe Shutdown, Network Config Tool Included (License Free)				
Alarm		Battery Mode, Low Battery, Overload, Fault, Bypass Mode				
Protection		Low Battery, Overload, Short-circuit and Over Temperature				
Working Temperature		32-122°F				
Humidity		20~90%, Non-condensing				
Sound Level		<50dBA @ 1 meter				
Certifications		FCC+ cTUVus + IEC 60601-1 (Medical Grade), UN38.3	CE EMC + CE LVD + IEC 60601-1 (Medical Grade), UN38.3	UL1642, UL1778 (cTUVus), CSA C22.2 No. 107.3, FCC Part 15 Class A, UN38.3		
UPS Dimensions (HxWxD)		1.7" (1U) x 17.2" x 18.8"		1.7" x 17.2" x 20.1"	1.73" (1U) x 17.2" x 22.8"	
EBM Dimensions (HxWxD)		--		--	1.73" (1U) x 17.2" x 22.8"	
UPS Weight (lb)		26.8		27.3	31.1	
EBM Weight (lb)		--		--	30.9	
Warranty		10 Years Electronics and Battery (USA & Canada)				

Runtime Minutes (Full Load / Half Load)	N1C.C1000/ N1C.C1000G	N1C.C1500	N1C.C2200	N1C.C3000
Internal Battery	8 / 17	7 / 14.5	5.2 / 11	4 / 8.5
1x N1C.CEBM1U	--	--	17 / 46	13 / 34
2x N1C.CEBM1U	--	--	36 / 92	27 / 68
3x N1C.CEBM1U	--	--	51 / 139	38 / 102
4x N1C.CEBM1U	--	--	75 / 185	55 / 136

Product specifications subject to change without notice.



What is IEC 60601-1 Medical Grade?

IEC 60601-1 is a technical standard that medical electrical equipment must meet to be considered safe and effective. It's required for FDA approval to be sold in the United States and Europe for medical-use. IEC 60601-1 confirms the basic safety and essential performance requirements of medical electrical equipment. It serves to ensure that no single electrical, mechanical, thermal or functional failure shall pose an unacceptable risk to patients and/or operators.

WWW.N1CRITICAL.COM