

N series

Single phase 1-3kVA

Uninterruptible Power Supply

The N series is a true on-line, double-conversion UPS housed in a compact tower. It is designed to ensure constant power to workstations, POSs, ATMs or home appliances.

The N series has inbuilt batteries to provide continuous and stable power to critical loads when power events occur. For longer backup time requirements you can add an extended battery cabinet.



Series Comparison (1-3kVA)			
N series	1-3kVA	Tower	Battery inside to prevent blackout.
GAIA series	1-3kVA	Rack or Tower	Battery inside to prevent blackout.
R series	1-3kVA	Rack or Tower	Long backup up to 24hrs.
E series	1-3kVA	Tower	Long backup up to 24hrs.

Availability

- Double-conversion technology. Provides 24/7 full time protection.
- Built-in batteries for basic runtime demand.
- Battery-start capability without utility power.
- Automatic input frequency (50 or 60Hz) detection.

Flexibility

- Optional extended battery cabinet for longer backup time.
- Smart slot for mission critical applications.
- Upgradeable firmware even in the field.

Lowest Total Cost Of Ownership

- Wide input voltage range and stable power supply extends battery lifetime.
- Intelligent management prevents battery from over-discharge.



PC



Server



Security



Medical



POS



ATM

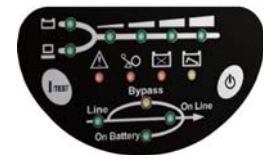
N series

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Technical Specifications

Model		N-1K	N-2K	N-3K	
Power Rating		1kVA / 700W	2kVA / 1400W	3kVA / 2100W	
Input	Rating Voltage	V	230, single phase		
	Voltage Range	V	80 ~ 280 (full load) *		
	Frequency	Hz	50 or 60 ± 5Hz		
	Power Factor		≥0.97		
	Electrical Connection		Power cord (IEC320 C14)	Power cord (IEC320 C20)	
Output	Voltage	V	230, single phase		
	Voltage Regulation	%	± 2		
	Frequency	Hz	50 or 60 ± 0.05		
	Wave Form		Pure sine wave		
	Transient Response	%	< 8		
	Voltage Harmonic	%	≤ 3 (linear load)		
	Overload		<105% : Continuous ; 105~125% : 3 minutes 125~150% : 30 seconds ; >150% : 1 second		
	Receptacle **		IEC320 C13 x 4	IEC320 C13 x 8	
Battery	Rating	12V/7Ah, 3 pcs	12V/7Ah, 6 pcs	12V/9Ah, 6 pcs	
	Typical Backup Time	14 minutes (half load) 5 minutes (full load)			
	Recharge Time	≥ 8 hours to 80 ~ 90%			
	Electrical Connection	Cable			
Display	LED	Online, Bypass, On-battery, Overload, Battery low, Fault, Replace battery, Battery level, Loading level			
Interface	Standard	RS232 x 1	RS232 x 1, SNMP slot x 1		
	Optional Accessories	N/A	SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP+5 ports hub		
Conformance	Safety	CE, EN62040-1-1			
	EMC	CISPR 22 Class A			
Others	Battery-Start	Yes			
	Data Line Protector	Optional (RJ11/RJ45, phone and network)			
	Extended Battery Cabinet	Optional			
Overall	Efficiency (AC-AC)	%	> 87 (full load)		
	Temperature	°C	0 ~ 40		
	Relative Humidity	%	5 ~ 95 (non-condensing)		
	Noise (one meter)	dBA	40	47	47
	Dimensions (WxDxH)	mm	140 x 366 x 242	140 x 425 x 373	
	Weight	kg	14	30.5	30.5

* Lower range 80~176Vac is acceptable under 50~100% loading conditions.
All specifications are subject to change without prior notice.



Friendly LED Display



1kVA Rear View



2 and 3 kVA Rear View



Delta offers full-scale UPS solutions from 0.6kVA to 4000kVA to fulfill all your power security needs.

