

The power behind competitiveness

# Delta UPS–Amplon Family

N Series, Single Phase

1-3kVA

## Mission-critical power you can trust

The Amplon N series is a true on-line, double-conversion UPS housed in a compact tower. It is designed to eliminate disturbances and supply superior power quality to workstations, POSs, ATMs or home appliances. The Amplon 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 external battery pack to enhance availability.

### Availability

- Double-conversion technology provides 24/7 full-time protection.
- Inbuilt batteries for basic runtime demand.
- Battery-start capability without utility power.
- Automatic bypass ensures continuous output power when fault occurs.
- Automatic input frequency detection.

### Flexibility

- Optional external battery pack for longer backup time.
- SNMP slot for mission critical applications.
- RS232 port with power management software.

### Low Total Cost Of Ownership

- Wide input voltage range reduces battery discharging occurrence and prolongs battery lifetime.
- Intelligent management prevents battery from over-discharge.



Server



Network



Security



Medical



POS



Banking



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## N Series, Single Phase

### 1-3kVA

Technical Specifications				
Model		N-1K	N-2K	N-3K
Power Rating		1kVA/700W	2kVA/1400W	3kVA/2100W
Input	Nominal Voltage	230 Vac (single phase)		
	Voltage Range	80 ~ 280 Vac (full load) *		
	Frequency	40 - 70 Hz		
	Power Factor	> 0.97		
	Electrical Connection	Power cord (IEC320 C14)	Power cord (IEC320 C20)	Power cord (IEC320 C20)
Output	Voltage	230 Vac (single phase)		
	Voltage Regulation	± 2%		
	Frequency	50 / 60 ± 0.05 Hz		
	Wave Form	Pure sine wave		
	Transient Response	< 8%		
	Voltage Harmonic Distortion	< 3% (linear load)		
	Overload Capability	105 ~ 125%: 3 minutes; 125 ~ 150%: 30 seconds; > 150%: 1 second		
	Receptacle	IEC320 C13 x 4	IEC320 C13 x 8	IEC320 C13 x 8
	Battery	Rating	12V/7Ah, 3 pcs	12V/7Ah, 6 pcs
Typical Backup Time		14 minutes (half load); 5 minutes (full load)		
Recharge Time		≥ 8 hours to 80 ~ 90%		
Electrical Connection		Exclusive cable		
Interface	Standard	RS232 x 1, Smart slot x 1	RS232 x 1, SNMP slot x 1	RS232 x 1, SNMP slot x 1
Conformance	Safety & EMC	EN62040-1; CISPR 22 Class A		
Other Features	Data Line Protector	Optional (RJ11/RJ45, phone and network)		
	External Battery Pack	Optional		
Efficiency	AC-AC	> 87% (full load)		
Environment	Operating Temperature	0 ~ 40°C		
	Relative Humidity	5 ~ 95% (non-condensing)		
	Audible Noise (at one meter)	40 dBA	47 dBA	47 dBA
Physical	Dimensions (WxDxH)	140 x 366 x 242 mm	140 x 425 x 373 mm	140 x 425 x 373 mm
	Weight	14 kg	30.5 kg	30.5 kg

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



Friendly LED Display



1 kVA Rear View



2/3 kVA Rear View



Delta offers full range UPS solutions from 600 VA to 4000 kVA to fulfill your power security needs.



2007~ 2008  
Forbes Asia's  
Fabulous 50



2009  
Frost & Sullivan  
Green Excellence  
Award for Corporate  
Leadership



ISO 9001:2008



OHSAS 18001:2007



ISO 14001:2004

