

Delta UPS - Amplon Family



Applicable Sectors



Server



Network



POS



Banking

N Series, Single Phase 1/2/3 kVA

The Amplon N series is a true online double-conversion UPS that can provide your critical equipment with reliable, stable pure sine wave power. It features significant advantages, including an output power factor of 0.9 and up to 93% AC-AC efficiency for greater energy savings. The Amplon N series provides a safe power supply guaranteed for mission critical applications such as work stations, POS, ATMs, servers, and more.

Features:

- True online double-conversion topology and zero transfer time to battery ensure high reliability
- Advanced DSP (Digital Signal Processor) controller for fast computation capability and a simplified control circuit for enhanced stability
- Wide input voltage range allows the UPS to work in harsh electrical environments
- Generator compatibility ensures continuous and reliable power
- High input power factor (> 0.99) and low input harmonic distortion (iTHD < 3%) save upstream investment
- Output power factor up to 0.9 presents a stronger load capacity
- AC-AC efficiency up to 93% and high efficiency of 91% at 50% load results in marked energy cost savings
- Compact design saves more space for critical equipment
- Excellent local communications through LCD display
- Intelligent battery management maximizes battery performance and sustains battery life
- Mini slot and USB port enhance monitoring and manageability

Technical Specification

Model		N-1K	N-2K	N-3K
Power Rating		1kVA/0.9kW	2kVA/1.8kW	3kVA/2.7kW
Input	Nominal Voltage	220/230/240 Vac		
	Voltage Range	175 ~ 280 Vac (full load); 80 ~ 175 Vac (50 ~ 100% load)		
	Frequency	40 ~ 70 Hz		
	Power Factor	> 0.99 (full load)		
	Current Harmonic Distortion	< 3%		
Output	Power Factor	0.9		
	Voltage	220/230/240 Vac		
	Voltage Regulation	± 2% (linear load)		
	Voltage Harmonic Distortion	< 3% (linear load)		
	Overload Capability	< 105%: continuous; 105 ~ 125%: 1 minute; 125 ~ 150%: 30 seconds		
	Receptacle	IEC C13 × 4	IEC C13 × 6, C19 × 1	
Efficiency	AC-AC	91%	Up to 93%	
Battery	Battery Voltage	24 Vdc	48 Vdc	72 Vdc
	Typical Backup Time	up to 15 minutes		
	Recharge Time	3 hours to 90%		
	Charge Current	1.5 A		
Audible Noise		< 43 dB	< 48 dB	
Display		LCD panel		
Communication Interfaces		MINI Slot × 1, USB Port × 1		
Conformance	Safety	CE, RCM, KC		
Physical	Dimensions (W × D × H)	145 × 320 × 225 mm	190 × 390 × 325 mm	
	Weight	9 kg	18.6 kg	24.4 kg
Environment	Operating Temperature	0 ~ 40 °C		
	Relative Humidity	5 ~ 95% (no condensing)		

The above specifications are for SEA & EMEA models.
All specifications are subject to change without prior notice.



2007~2008 Forbes
Asia's Fabulous 50



2009 Frost & Sullivan
Green Excellence Award for
Corporate Leadership



Delta's Manufacturing
System is Certified by
ISO 9001 and ISO 14001
Standards



IECQ Certificate of
Hazardous Substance
Process Management



TIS 1291
Part 1-2553 (2010)
Part 2-2553 (2010)
Part 3-2555 (2012)