

# Delta UPS – Amplon Family



## N Series, Single Phase 6/10 kVA

The Amplon N series 6-10 kVA UPS is a single-phase on-line UPS with pioneering technology that provides output power factor up to unity and AC-AC efficiency to a maximum 95%. Its remarkably compact dimensions reserve more room for critical equipment such as workstations, POSs, ATMs, office appliances, small server rooms, and production equipment. The Amplon N series superior features include a N+X parallel redundancy function and variable fan speed control to guarantee high system availability and best Total Cost of Ownership (TCO).

### The Most Compact Design and Best TCO

- The smallest dimensions in its class saves significant space for more critical equipment
- A pioneer in unity power factor (kVA=kW) to maximize power availability
- The highest AC-AC efficiency up to 95% and efficiency of 98% in ECO mode for exceptional energy cost savings
- Automatic speed regulation function with multi-stage fan speed control to maximize system efficiency, significantly reduce audible noise, and prolong the service life of the fans

### High Availability

- True online double-conversion topology and zero transfer time to battery to ensure high reliability
- Parallel configuration for expansion and N+X redundancy up to 4 units
- Advanced DSP (Digital Signal Processor) controller for fast computation capabilities and a simplified control circuit for enhanced stability
- Generator compatibility to ensure continuous and reliable power

### Intelligent Management

- Excellent local communications through user-friendly LCD display and LED indicators
- Intelligent battery management to maximize battery performance and extend battery life
- Various types of communication interfaces for monitoring and manageability

#### Applicable Sectors



IT



Telecom



Industrial



Transportation



Financial



Government



SME



Retail

## Technical Specifications

Model		N-6K	N-10K
Power Rating	kVA	6	10
	kW	6	10
Input	Nominal Voltage	200/208/220/230/240 Vac	
	Voltage Range	200/208 (de-rating to 90%): 100~280 Vac* 220/230/240: 100~280 Vac**	
	Current Harmonic Distortion	< 3%	
	Power Factor	> 0.99 (full load)	
	Frequency	40~70 Hz	
	Output	Nominal Voltage	200/208/220/230/240 Vac
Voltage Harmonic Distortion		< 2% (linear load)	
Power Factor		1	
Frequency		50/60 Hz ± 0.05 Hz	
Overload Capability		< 105%: continuous; 105~125%: 2 minutes; 125~150%: 30 seconds	
Crest factor		3:1	
Display		LED indicators and LCD display	
Interfaces	REPO x 1, RS-232 Port x1, USB Port x1, Parallel Port x 2, Smart Slot x 1		
Conformance	Safety	CE, RCM, TISI	
Efficiency	AC-AC	Up to 95%	
	ECO Mode	Up to 98%	
Battery	Battery Voltage	192~264 Vdc adjustable	
	Charge Current	1.5~8 A selectable	
Environment	Operating Altitude	1000 meters (without de-rating)	
	Operating Temperature	0~40°C (at 100% load) 45~55°C (de-rating to 80%)	
	Storage Temperature	-15~50°C	
	Relative Humidity	5~95% (non-condensing)	
	Audible Noise	< 50 dB	
	Physical	Dimensions (W x D x H)	190 x 390 x 325 mm
Weight		10.1 kg	12.7 kg

\* Linear de-rating between 40~90% load at 100~175 Vac.

\*\* Linear de-rating between 40~100% load at 100~194 Vac.

The above specifications are for SEA and EMEA models.

All specifications are subject to change without prior notice.

