

Amplon N Series UPS

Single-phase, 6/10 kVA, 230 Vac

Innovative. Compact. High Performance.

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



IT



Telecom



Industrial



Transportation



Financial



Government



SME



Retail



Technical Specifications

Model	N-6K	N-10K
Topology	Online double-conversion	
Power Rating	6 kVA 6 kW	10 kVA 10 kW
Parallel Configuration	Up to 4 units	
INPUT		
Nominal Voltage	200/208/220/230/240 Vac, 1P2W+PE	
Voltage Range ⁽¹⁾	195-280 Vac (100% load); 100-195 Vac (with derating to 50-100% load)	
Frequency Range	40-70 Hz	
Total Harmonic Distortion (THDi)	< 3%	
Power Factor	≥ 0.99 (100% load)	
Connection	Terminal	
OUTPUT		
Nominal Voltage	200/208/220/230/240 Vac, 1P2W+PE	
Voltage Regulation	±1%	
Frequency	50/60 ± 0.5 Hz	
Total Harmonic Distortion (THDv)	< 2% (linear load); < 5% (non-linear load)	
Power Factor	1	
Connection	Terminal	
Overload Capability	< 105%: continues; 105-125%: 2 mins; 126-150%: 30 secs	
Current Crest Ratio	3:1	
EFFICIENCY		
Online Mode	Up to 95%	
Eco Mode	Up to 98%	
BATTERY		
Battery Type	VRLA	
Nominal Voltage	240 Vdc ⁽²⁾	
Quantity	16-22 pcs	
Charge Current	1.5-8 A (selectable)	
COMMUNICATION INTERFACE		
Display	LCD display with LED indicators	
Port	USB, RS-232, Smart slot, REPO	
Audible Alarm	Battery mode, Low battery, Battery missing/replacement, Overload, Fault	
Emergency Power Off	Yes	
PHYSICAL		
Dimensions (W x D x H)	190 x 390 x 325 mm	
Net Weight	10.1 kg	12.7 kg
Packing Dimensions (W x D x H)	300 x 500 x 443 mm	
Packing Weight	13 kg	15.2 kg
ENVIRONMENT		
Operating Temperature	0 to 55°C (45 to 55°C de-rating to 80% load)	
Humidity	5-95% (non-condensing)	
Audible Noise ⁽²⁾	< 50 dBA	
Altitude	0-1000 m	
Storage Temperature	-15 to 55°C	
CONFORMANCE		
Safety	CE, UKCA, TISI, RCM, BIS, KC	
EMC	IEC 62040-2	
Sustainability	RoHS, REACH	

(1) 200/ 208 V: 176-280 Vac (90% load), 100-174 Vac (with derating to 40-90% load)

(2) KR model battery default voltage is 192 Vdc

All specifications are subject to change without prior notice.



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