

Amplon N Gen3 UPS

Single-phase, 1-3 kVA, 230 Vac

Small and Reliable Power Guardian for Office & Home Critical Appliances

The Amplon N Gen3 Series 1-3 kVA is an online double-conversion uninterruptible power system (UPS) in a best-in-class compact size tower design. It supplies clean sine-wave input power for IT and other sensitive equipment and prevents work interruption, data loss or equipment damage from voltage sags, spikes, harmonic distortion and other power failures.



High Availability

- Output power factor 0.9 provides more wattage to critical loads
- True online double-conversion topology and zero transfer time to battery mode
- Generator compatibility ensures clean, uninterrupted power to the loads during an extended power outage

Green with Low TCO

- Capable of working in harsh electrical environments with wide I/P voltage range to minimize battery usage
- Excellent overload capacity allows the overload condition to continue within the timeframe
- AC-AC efficiency up to 90%, and ECO mode efficiency up to 95% for better energy savings

Easy Management

- The intuitive LCD display provides UPS status information with the ability to configure locally
- Supports multiple communication interfaces, including USB port, RS-232 port and Mini slot (option for mini SNMP, mini Modbus and mini relay I/O card) for remote monitoring and configuration
- Battery self-test function ensures early detection of the battery status when batteries need to be replaced



IT



Telecom



Industrial



Transportation



Financial



Government



SME



Retail



Rear Panel

1 kVA



2 kVA

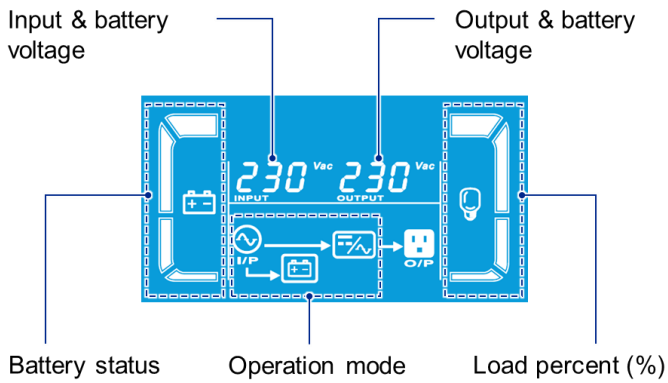


3 kVA



- 1 USB port
- 2 RS-232 port
- 3 Input circuit breaker
- 4 AC input
- 5 Mini slot
- 6 Output socket
- 7 Output terminal

LCD



Runtime Table

1 kVA

Load	90 W	180 W	270 W	360 W	450 W	540 W	630 W	720 W	810 W	900 W
Backup Time	57.5	26.9	16.8	11.9	9.1	7.3	6.1	4.3	3.6	3.1

2 kVA

Load	180 W	360 W	540 W	720 W	900 W	1080 W	1260 W	1440 W	1620 W	1800 W
Backup Time	61.1	28.3	17.7	12.5	9.5	7.7	6.5	4.5	3.8	3.3

3 kVA

Load	270 W	540 W	810 W	1080 W	1350 W	1620 W	1890 W	2160 W	2430 W	2700 W
Backup Time	67.1	29.4	18.1	12.5	10.3	8.2	6.9	4.9	4.2	3.6

Unit: min

Technical Specifications

Model	NX-1K	NX-2K	NX-3K
Topology	Online double-conversion		
Power Rating	1 kVA 0.9 kW	2 kVA 1.8 kW	3 kVA 2.7 kW
INPUT			
Nominal Voltage	220/ 230 Vac, 1P2W+PE		
Voltage Range	180-285 Vac (100% load); 120-180 Vac (60-100% load)		
Frequency	40-70 Hz		
Power Factor	> 0.99 (100% load)		
Connection	IEC C14		IEC C20
OUTPUT			
Nominal Voltage	208 ⁽¹⁾ / 220/ 230/ 240 Vac, 1P2W+PE		
Voltage Regulation	±1%		
Frequency	50/60 ± 3 Hz		
Total Harmonic Distortion (THDv)	≤ 3% (linear load)		
Power Factor	0.9		
Connection	IEC C13 x4		IEC C13 x4 + Terminal
Overload Capability	≤ 105%: continuous; 106-110%: 10 mins.; 111-130%: 30 secs; 131-150%: 3 secs; > 150%: immediately		
Current Crest Ratio	3:1		
EFFICIENCY			
Online Mode	Up to 90%		
ECO Mode	Up to 95%		
BATTERY			
Battery Type	VRLA		
Nominal Voltage	24 Vdc	48 Vdc	72 Vdc
Quantity	2 pcs	4 pcs	6 pcs
Runtime	100% load 70% load	3.1 mins 6.1 mins	3.3 mins 6.5 mins
Charge Current	1 A		
COMMUNICATION INTERFACE			
Display	LCD display with LED indicators		
Port	USB, RS-232, Mini slot		
Audible Alarm	Battery mode, Low battery, Overload, Fault, Bypass mode		
PHYSICAL			
Dimensions (W x D x H)	145 x 282 x 220 mm	145 x 492 x 220 mm	190 x 421 x 318 mm
Net Weight	9.2 kg	16.8 kg	27 kg
Packing Dimensions (W x D x H)	230 x 360 x 325 mm	230 x 590 x 355 mm	320 x 560 x 460 mm
Packing Weight	10.3 kg	18.6 kg	28.4 kg
ENVIRONMENT			
Operating Temperature	0 to 50 °C (40 to 50 °C de-rating to 70% load)		
Humidity	20-90% (non-condensing)		
Audible Noise ⁽²⁾	< 45 dBA		
Altitude	0-4,000 m (derating 1%/100 m from 1,000-4,000 m)		
Storage Temperature	-20 to 50 °C		
Ingress Protection	IP20		
CONFORMANCE			
Safety	CE, UKCA, TISI, RCM, KC		
EMC	IEC 62040-2		
Sustainability	RoHS, REACH		

(1) De-rating to 70% load

(2) Audible noise test with UPS < 75% load at 25 °C in online mode

All specifications are subject to change without prior notice.

Management Solution

UPSentry

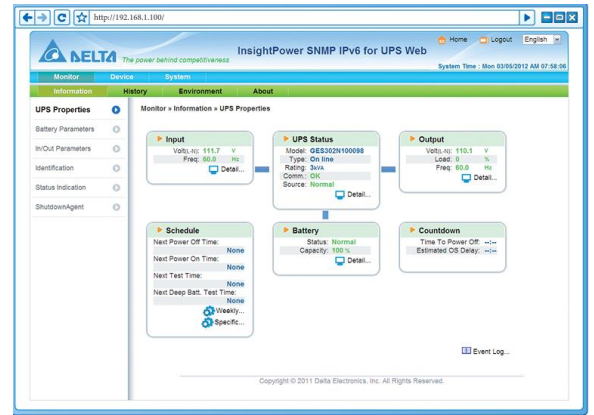
- Supports RS-232 & USB communication
- Scheduling shutdown, restart and battery test
- Event tracking

ShutdownAgent

- Provides a graceful unattended shutdown of multiple computer systems over a network

SNMP IPv6 (optional)

- Remote UPS management from any workstation through internet or intranet
- UPS and system function configuration from any client (password protected)
- Event logs and data tracking



What's in the Box

Standard Accessories

N Gen3 UPS

User manual

USB cable (1.5 m)

AC input cable (1.5 m)

Free ShutdownAgent software for local UPS status and shutdown

Free UPSentry software for remote network management



More Product Information

Optional Accessories

UPS Management Accessories

Mini SNMP IPv6 (Part number: SCMS100035)	Manages UPS and system functions securely and adjusts parameters through SNMP management stations or Internet Browsers using HTTP forms.
Mini Relay I/O card (Part number: 3915101864-S)	Offers 6 relay output contacts to monitor status and 2 input contacts for simple shutdown and battery testing in UPS management.
Mini Modbus Card (Part number: 3915101865-S)	Supports Modbus communication with a PC via RS-485 and RS-232 interfaces, allowing for flexible and simultaneous use.



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