NEUROPOWER

Powering Possibilities.
Connecting Futures.

Modular Online UPS

Arena Series

Arena Series

Neuropower's Arena Modular UPS is the first ever modular UPS introduced in the market where it does not need any additional special chassis for installation.

Its power modules can be installed in a standard 19 inch server rack; if you do not have any rooms in your server racks or do not have one, the Arena's power modules can be placed on a flat sturdy surface as standalone (tower) units. Users will only need to use the basic few things packed together with the power module in its box.

The series does not just focus on the ease of installation Neuropower's Arena Series' versatility goes beyond by making sure it is constructed using carefully picked components and technology for the best possible reliability in power protection for critical applications. The Arena Series is just so much fun and convenient to use because users do not need to be limited by any external physical factors such as space storage, etc. Yet, they can enjoy all the incredible benefits a modular UPS has to offer.

MISSION CRITICAL APPLICATION

DATA CENTRE

MEDICAL IMAGING SUPPORT

Arena Series
6kVA-100kVA features

Achieving pure sine wave output using true double conversion technology supported by its 50/60Hz frequency converter mode.

1. Available in Standard 19” form with tower / rackmount convertible design or as a rack independent unit.

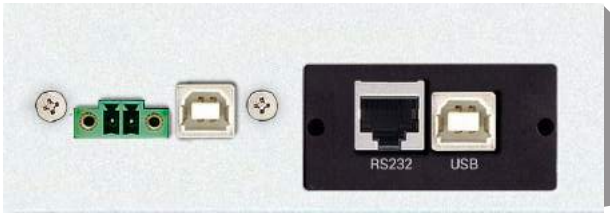
Either with or without a supporting chassis, Arena performs greatly as a modular UPS. Comes with features such as hot-swappable, field upgradeable and serviceable module UPS, making it a versatile choice and saving overall cost installation.

Complete Arena Series with Chassis, Power Module and Battery Module Front View (Left).

Stand Alone Arena Power Module (Bottom).

2. DSP technology with active power factor correction in all phases

Perfect for critical applications, this feature ensures users with a high output performance from the UPS at a high power efficiency (up to 97% with output power factor 1.0).



SNMP and USB location on Arena Series (top).

Rear view of Arena Series’s Power Module and Connector Box (Right).

3. SNMP and USB available for multiple communications

Never leave your UPS unmonitored by managing it smartly through these communication devices. Both can be found on each power module.

4. Patented modular design with modular connector box

Not only it eases power expansion, with a modular connector box, it also eases the UPS’s installation and maintenance process. Another feature that supports Arena’s versatility.

5. Customizable system to meet various application

Arena’s versatility also includes its unique customizable system that makes it a reliable power protection solution for critical applications or various industries with a variety of power capacities.

6. N+X parallel redundancy up to 10 units for capacity up to 100kVA

Suitable for critical applications with high power consumption. Ensuring the total load demand is met by all working UPS power modules by sharing the load between themselves equally. If one of the power modules fails and needs maintenance, the power module on standby will take over and support the load.

7. Parallel operation using common battery system

Arena systems running in parallel can share the same battery system, a convenient feature that eases installation and cost for large systems.

8. Independent built-in bypass for each UPS

Each UPS is built with its bypass system to provide further convenience and support to its rack independent design. Hence, the safety element is assured in each UPS.

9. Adjustable battery numbers

Users may adjust the number of batteries between 16 to 20 pieces. This is useful to configure the battery system depending on the UPS's backup runtime demands.

10. ECO mode available

Energy saving (ECO) mode with 97% efficiency is available to use whenever the circumstance of energy saving is needed. The online double conversion UPS will function as a 'standby' mode where the transfer time can be compromised for additional energy saving when used with non critical equipment.

11. Generator compatible

UPS can be installed in residential or commercial properties with generators on standby. In the event of an extended power outage, the UPS ensures a stable and clean uninterrupted power supply to the essential equipment for its maximum protection and efficiency.

12. Cold start capability

Turns on the UPS for start-up check with battery power without using an input power supply. Useful to examine the battery's function, the condition of the input power and also a way to switch on the UPS due to a power outage.

Arena Series Models

Available in a chassis or as stand alone power modules, this UPS comes with user friendly components and different power ratings to provide a versatile and fun to use power protection solution.

Complete Arena Series with Chassis, Power Module and Battery Module

Stand Alone Arena Power Module

Technical Specification

	Model		Arena 3P-10K (KS)	Arena 3C-10K (KS)	Arena -10K (KS)
Specification	Phase		3 Phase In / 3 Phase Out	3 Phase In / 1 Phase Out	1 Phase In / 1 Phase Out
	Capacity (VA / W)		10000 / 10000		
	Parallel Capability (No. of Units)		10		
Input	Nominal Voltage (VAC)		3 x 360/380/400/415 (3Ph + N + PE)		208/220/230/240 (1Ph + N + PE)
	Voltage Range (VAC)		190 - 520 (3 Ph) @ 50% Load 305 - 478 (3 Ph) @ 100% Load		110 - 300 @ 50% Load 176 - 276 @ 100% Load
	Frequency Range (Hz)		40-70		
	Power Factor		≧ 0.99 @ 100% Load		
	THDi		< 4% @ Full Linear Load		
Output	Output Voltage (VAC)		3 x 360/380/400/415 (3Ph + N + PE)	208*/220/230/240 (1PH + N + E)	
	AC Voltage Regulation		± 1%		
	Synchronized Frequency Range (Hz)		46 - 54 or 56 - 64		
	Battery Mode Frequency Range (Hz)		50 ± 0.1 or 60 ± 0.1		
	Current Crest Ratio		3 : 1 (max.)		
	Harmonic Distortion (THD)		≧2% (Linear Load); ≦3% (Non-Linear Load)		
	Transfer Time (ms)	AC Mode to Batt. Mode	0		
		Inverter to Bypass	0		
	Waveform		Pure Sine Wave		
	AC Mode		94%	94%	93.5%
	ECO Mode		97%	97%	97%
	Battery Mode	At Full Load	93%	92.5%	92%
		Peak	93.5%	93%	92.5%
Battery	Battery Voltage		± 12V / 9 AH		
	Battery Numbers (pcs)		16 - 20 (Adjustable) x 2		
	Nominal Voltage (VDC)		±192 (12Vx 32 pcs)		
	Maximum Voltage (VDC)		±240 (12 x 40 pcs)		
	Minimum Voltage (VDC)		±192 (12 x 32 pcs)		
	Charging Voltage (VDC)		± 218		
	Typical Recharging Time		9 hours recover to 90% capacity		
	Charging Current (A)		± 4		
Indicator	LCD/LED Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
Physical	Dimension, W x D x H (mm)		418 x 678 x 129 [3U]		
	Net Weight (kg)		20.5		
Operating Environment	Operation Humidity		0 - 95 % RH @ 0 - 40°C (Non-Condensing)		
	Noise Level @ 1 Meter (dB)		< 55		
Power Management	Smart USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC		
	Optional SNMP		Power management from SNMP manager and web browser		
Design Standards	Safety and EMC		EMC EN 62040-2 C2 for CE models		

- *Derate capacity to 90% of capacity when the output voltage is adjusted to 208 VAC.*

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