















The Aquarius Plus series is ideal for the protection of Mission Critical systems in both telecommunications and computer networks, where the risks associated with power supply can compromise service continuity with obvious risks to users and high costs.

The series is available in 1kVA, 1.5kVA, 2kVA and 3kVA models, single-phase input and output, with double conversion On Line technology, as defined by the IEC EN 62040-3 standard.

The Aquarius series is designed and built with latest generation technologies and components, to ensure maximum protection of the power consumers, no impact on the power line and energy saving.

FEATURES

-  Double conversion
-  Time exchange 0ms
-  PFC and DSP technology
-  Power Factor >0,9
-  Rectifier, Inverter and Battery charger are totally digital controlled
-  ECO Mode
-  Wide input range.
-  Possibility to increase the back-up time
-  EPO (external power off)
-  SNMP card (Optional)
-  Communication Por: USB, RS232, RS485, Dry Contact
-  Hot Swap battery pack

UPS AQUARIUS PLUS RT (1kVA-3kVA) Tower/Rack on-line double conversion

BRAGA MORO SISTEMI DI ENERGIA Srl

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MODEL		Aquarius Plus 1kVA	Aquarius Plus 1,5kVA	Aquarius Plus 2kVA	Aquarius Plus 3kVA	
Capacity		1kVA/0,9kW	1,5kVA/1,35kW	2kVA/1,8kW	3kVA/2,7kW	
INPUT	Phase	1 phase (2 wires+ground)				
	Nominal voltage	200/208/220/230/240Vac				
	Operating voltage range	160-300Vac				
	Operating frequency range	45-55Hz at 50Hz/54-66Hz at 60Hz (auto sensing)				
	Power factor	≥0.99				
OUTPUT	Rated Voltage	200/208/220/230/240Vac				
	Voltage regulation	±1%				
	Power factor	>0,9				
	Output frequency	Utility Mode	45-55Hz/54-66Hz			
		Battery Mode	50/60±0.1 Hz			
	Crest factor	3:1				
	Harmonic distortion (THD)		≤3% with linear load			
			≤6% with non linear load			
Efficiency	AC mode	88%	88%	89%	90%	
	Battery mode	83%	83%	85%	86%	
BATTERY	Type	12V/9Ah	12V/9Ah	12V/9Ah	12V/9Ah	
	Numbers	2	3	4	6	
	Backup Time	Long run unit depends on the capacity of external batteries				
	Recharge Time to 90%	4hours (standard)				
	Charging current	Max 1A				
SYSTEM FEATURES	Transfer Time	Utility to battery: 0ms ; Utility to bypass: 4ms (typical)				
	Self-Diagnostics	Upon power on and software control				
	EPO (optional)	Shut down UPS immediately				
	Audible & Visual Alarms	Line failure, Battery Low, Overload, System fault				
	Status LED & LCD display	Line Mode, Backup mode, Eco mode, Bypass mode, Battery undervoltage, Battery Bad, Overload&Ups fault				
	Reading on LCD display	Input Voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time				
	Communication interface	USB, RS232, SNMP card/Relay card (optional)				
	Input Connection	IEC C14				
Output Connection	IEC C13/SHUKO					
ENVIRONMENT	Operating Temperature	0°C ~ 40°C				
	Storage Temperature	-25°C ~ 55°C				
	Humidity Range	20 ~ 90% (non condensing)				
	Altitude	< 1500m, >1500m lower the rated power for use				
	Noise Level	<50dB @ 1 meter				
PHYSICAL Rack installation	Dimension WxHxD (mm)	440 (19") x 86,5 (2U) x 430		440 (19") x 86,5 (2U) x 572	440 (19") x 86,5 (2U) x 696	
	Net weight (kg)	15,1	18,1	22,1	25,5	
STANDARDS	Safety	CE, IEC/EN62040-1&2, IEC/EN60950-1				
	EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8				
BATTERY BANK Standard Configuration	Model	BB-AP10-09	BB-AP15-09	BB-AP20-09	BB-AP30-09	
	Type&Quantity	AGM 12V 9Ah x 2x2pcs	AGM 12V 9Ah x 2x3pcs	AGM 12V 9Ah x 2x4pcs	AGM 12V 9Ah x 2x6pcs	
	Dimension DxWxH (mm)	430 x 440 (19") x 86,5 (2U)		572 x 440 (19") x 86,5 (2U)	696 x 440 (19") x 86,5 (2U)	
	Net weight (kg)	12	15	22	32	

Specification subject to change without prior notice



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