

AMAZONAS SERIES

On-line UPS double conversion with galvanic isolation from 5 to 20 KVA



Description



The Amazonas series UPS guarantee total protection for powers ranging from 5kVA to 20kVA against any anomaly in the mains electricity network during their operation. With On-Line Double Conversion technology, as the supply voltage to loads is provided in each case via the inverter stage with galvanic isolation.

Advanced PWM Technology allows a voltage and current adjusted signal to be available at each moment in time, free of harmonics, noises and interferences. Information on the status of the system is presented locally by means of LED signalling and a LCD screen with different menus. Information on the unit can also be managed remotely through its powerful software.



Amazonas series 6 KVA



Rear connections
Amazonas 5-8 KVA



Front connections
Amazonas ≥ 10 KVA

Features

- > On-line UPS double conversion with galvanic isolation
- > Microprocessor digital control technology
- > Power: 5,6,8,10,15 and 20 KVA
- > Galvanic insulation by output transformer
- > RFI filter
- > Reduced harmonic distortion of output signal
- > Wide input voltage range
- > Protections against overloads, short-circuits & low battery voltage
- > Software included for System Monitoring
- > Extended battery options available
- > RS232/ RS485 connection ports
- > Parallel N+1 (10,15 and 20 KVA) optional
- > LCD display: information about status of UPS
- > SNMP card optional / RS232 Ethernet converter
- > Manual Bypass (20 KVA model)

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|---------------------------|----------------------|
| ① SNMP adapter (option) | ⑦ Terminals |
| ② RS232/RS485 | ⑧ Input switch |
| ③ Communication interface | ⑨ Maintenance switch |
| ④ Paralleled Bus | |
| ⑤ Battery switch | |
| ⑥ Bypass switch | |

domestic use

network

data centers

medicine

telecommunications

security

industrial



GENERAL SPECIFICATIONS						
Model	Amazonas 5	Amazonas 6	Amazonas 8	Amazonas 10	Amazonas 15	Amazonas 20
Reference	018110	018115	018120	018125	018130	018135
Power KVA	5	6	8	10	15	20
GENERAL						
Technology	On-Line, double conversion, with galvanic isolation					
Efficiency	>85%					
Overload	125%- 1 min-150% for 20 ms		125%- 1 min-150% for 0,5 sec			
INPUT						
Voltage range	180~270Vac					
Frequency	50 Hz \pm 5%					
OUTPUT						
Power (KVA/KW)	5/3.5	6/4.2	8/5.6	10/7	15/10.5	20/14
Voltage	230Vac \pm 2%					
Output frequency	50Hz \pm 0,5% (battery mode)					
Type of wave	Pure sinewave					
Harmonic distortion	THD <3% (linear load and no lineal)					
Crest factor	3:1					
BATTERIES & BACKUP TIME						
Standard battery	Pb VRLA (lead battery with anti-leak seal)					
Backup time	Up to many hours (depending on connected load)					
Charge time	Depending on battery					
INDICATORS						
LCD display	Operating load/ Battery status and voltage/ Input and output voltage measurement / Input and output frequency measurement/Supplied power					
Leds	Mains on, by-pass, inverter, low battery, overload, UPS failure					
Acoustics	Mains failure, overload, low battery					
COMMUNICATION						
Control software	UPSilon 2000					
Communications	RS232/ RS485 Connectios and dry contacts					
Indicators	Automatic functions checking: voltage, input/output frequency, load status, battery capacity, temperature, historic events, system analysis,7 alarms type: Beeper, network, e-mail, SMS, acoustic, telephone, windows warning					
SNMP card (optional)	SNMP Ethernet Conversor Optional					
PROTECTION						
Protections	Current limitation, overload, short-circuit & overtemperature					
Manual Bypass	No				Yes	
RFI filter	Yes					
STANDARDS						
Marks	CE					
Directives	EN 50091-2:1996 , EN 50091-2					
OTHERS						
Operation temperature	0-40°C					
Relative humidity	0-95% (non condensing or ice)					
Altitude without decreasing power	1000 over sea level					
Acoustic level	<55dBA		<60dBA			
Dimensions WxHxD (mm)	230x640x680		230x640x680	300x740x640	300x740x640	480x935x1165
UPS weight * (Kgs)	89.8	91	83	85	145	190

* 5 and 6 KVA models: 10' of backup, weight and dimensions with internal batteries.
Rest of UPSs and autonomies, external battery module, consult weights and dimensions.

Specifications may be changed without notice