

VOLGA SERIES

On-line UPS double conversion high frequency from 1 to 10 KVA



Description



The Volga UPS series, include active input PFC rectifier (Power Factor Corrector) and make use of the advantages of PWM technology with IGTBs to obtain equipment with high technical features. They resolve mains electricity problems without resorting to the use of the battery in most cases, thereby increasing its service life. They are ideal for supplying critical systems of up to 10kVA that require a high reliability and quality supply with low operating and maintenance costs.

Data is provided locally through mimic panel with LEDs and/or LCD display (for range ≥ 6 KVA), according to UPS model. The communications interface, together with its powerful software, allow users to monitor the status of the unit and provides information on its environment.



Volga 6 and 3 KVA



Volga 1 KVA

Volga 3 KVA

Volga 6/10 KVA

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|----------------------------|--|
| ① Input | ⑦ USB communication port |
| ② Outputs | ⑧ Bypass breakers |
| ③ RS232 communication port | ⑨ SNMP card (optional) |
| ④ Fuse (1 KVA 10' model) | ⑩ Manual maintenance Bypass (optional) |
| ⑤ Mains power breaker | ⑪ Line bar cover |
| ⑥ EPO: emergency power off | |

Features

- > On-line UPS double conversion
- > Microprocessor digital control technology
- > Power: 1,2,3,6,and 10 KVA
- > Visual alarms (led) and audible in the case of mains failure
- > LCD display with information about status of UPS (6 and 10 KVA)
- > Wide input voltage range
- > Battery mode start up without mains line
- > Protections against overloads, shortcircuit and low battery voltage
- > RS232 + software included for software monitoring
- > Cables also included: 2 IEC for peripherals systems
- > Extended battery options available
- > Programmable shutdown
- > High input power factor ≥ 0.98
- > Manual bypass optional (6/10 KVA)
- > SNMP card optional / RS232 Ethernet converter
- > 2 years warranty batteries included: 1, 2 and 3 KVA models

domestic use

network

data centers

medicine

telecommunications

security

industrial



NON - STOP POWER



GENERAL SPECIFICATIONS					
Model	Volga 1	Volga 2	Volga 3	Volga 6	Volga 10
Reference	018102	018103	018104	018265	018109
Power KVA *	1	2	3	6	10
GENERAL					
Technology	On-Line, double conversion, high frequency				
Overload	105-130% up to 60 sec				
INPUT					
Voltage range	163~273Vac			170~276Vac	
Frequency	50Hz ±5%				
Power factor	≥0.98				
OUTPUT					
Power (KVA/KW)	1/0,7	2/1,4	3/2,1	6/4,8	10/8
Voltage (normal mode)	230Vac ± 2%				
Output frequency	50Hz ±0,5% (battery mode)				
Outputs	3 IEC	6 IEC		Terminals	
Type of wave	Pure sinewave				
Harmonic distortion	THD <3% (linear load)				
Crest factor	3:1				
BATTERIES & BACKUP TIME					
Standard battery	Lead battery with anti-leak, VRLA type				
Backup time	Up to many hours (depending on connected load)				
Charge time	8h-90%				
INDICATORS					
LCD display (≥6Kva)	Mains on/ UPS fault/ Overload/ low battery				
Acoustics	Line failure, overload, low battery				
COMMUNICATION					
Control software	UPSilon 2000				
Communications	RS232				
Indicators	Automatic functions checking, Input and output voltage/ Frequency/ Temperature/ Load level/ Battery level/ Events History/ System analysis, 7 types of warnings				
SNMP card optional	RS232 Ethernet converter				
PROTECTION					
Protections	Current limitation, overload				
Automatic bypass	Yes				
RFI filter	Yes				
PFC: Power factor corrector	Yes				
STANDARDS					
Marks	CE				
Directives	EN 62040-1-1:2003 / EN 50091-2:1996 / EN 61000-3-2:2000 and EN 61000-3-3:1995+A1:2001				
OTHERS					
Operation temperature	0-40°C				
Relative humidity	0-95% (non condensing or ice)				
Altitude without decreasing power	1000 over sea level				
Acoustic level	<45dBA			<60dBA	
Dimensions WxHxD (mm)	198x490x347	198x490x347	198x490x347	255x640x500	255x640x500
UPS Weight ** (Kgs)	13	28	32	74	75

* For models over 6 KVA, 1 year warranty.

** Indicated weight for UPS models with internal batteries.

Rest of models and backup times with external battery module, consult weights and dimensions.

Specifications may be changed without notice.