

VOLGA NG SERIES

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



Description



The Volga NG UPS series include active input PFC rectifier (Power Factor Corrector) and make use of the advantages of PWM technology with IGBTs 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 LCD display (and LEDs for 6-10kVA). The communications interface, together with its powerful software, allow users to monitor the status of the unit and provides information on its environment.



Volga NG+ 1-3 series



Volga NG 6-10 series

Features

- > On-line UPS double conversion
- > Microprocessor digital control technology
- > Power: 1,2,3,6 and 10 kVA
- > Visual alarms (led and display) and audible in the case of mains failure
- > LCD display with information about status of UPS
- > Wide input voltage range
- > Battery mode start up without mains line
- > Protections against overloads, shortcircuit and low battery voltage
- > Battery test function
- > Re-start function
- > RS232/USB + software included for software monitoring
- > Cables also included: 2 IEC for peripheral systems (1-3kVA)
- > Extended battery options available
- > Programmable shutdown
- > High input power factor ≥ 0.99
- > Manual bypass (6-10kVA)
- > SNMP and Dry contact cards optional
- > 2 years warranty batteries included: 1,2 and 3 kVA models *

domestic use

network

data center

medicine

telecommunications

security

industrial



GENERAL SPECIFICATIONS					
Model	Volga NG+ 1	Volga NG+ 2	Volga NG+ 3	Volga NG 6	Volga NG 10
Power kVA	1	2	3	6	10
GENERAL					
Technology	Online, double conversion, high frequency				
Overload	105~110% up to 10 min, 110~130% up to 1 min			100~110% up to 30 min, 110~130% up to 5 min	
INPUT					
Voltage	110~300 Vac at 50% Load, 160~300 Vac at 100% Load			110~300 Vac at 50% Load, 176~300 Vac at 100% Load	
Frequency	40~70 Hz			46~64 Hz	
Power factor	≥0,99				
OUTPUT					
Power (kVA/kW)	1/0.9	2/1.8	3/2.7	6/4.8	10/8
Voltage	230Vac ±1%				
Output frequency	50 Hz ±0.1			50 Hz ±0.1	
Outputs	6 IEC/2Universal	6 IEC/3Universal and terminals		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 (depend on connected load)				
Charge time	4h-90%				
INDICATORS					
LCD display	Load level, battery level, input/output voltage and frequency, operating mode, and fault or warning indicator				
Acoustics	Battery Mode, low battery, overload, fault, bypass mode				
COMMUNICATIONS					
Control software	View Power				
Communications	RS232 and USB				
Indicators	Automatic shutdown of applications, input/output voltage and frequency, load status, battery capacity, temperature, historic events, system analysis				
SNMP card	Optional				
PROTECTION					
Protection	Low battery, current limitation, overload, short-circuit, temperature and output over/low voltage				
Automatic bypass	Yes				
RFI filter	Yes				
PFC: Power factor corrector	Yes				
STANDARDS					
Mark	CE				
Directives	EN 62040-1, EN 62040-2 (EMC)				
OTHERS					
Operation temperature	0-40°C				
Relative humidity	20-90% non-condensing			0-95% non-condensing	
Altitude without decreasing power	1000 meters over sea level				
Acoustic level		<50dBA		<55dBA	<58dBA
Dimensions** WxDxH (mm)	145x397x220	190x421x318		190x369x688	190x442x688
UPS Weight ** (kgs)	12	22.5	32.2	61	66

*For models over 6kVA, 1 year warranty.

**Indicated dimension and weigh for UPS models with internal batteries (10 minutes of autonomy).

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

Specifications may be changed without notice.