# VOLGA NG SERIES

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

WARRANTY 1 year BATTERIES INCLUDED

## Description

The Volga NG 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 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




ZIGOR

| 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 | 0-40ºC | | | | |
| 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 |

***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.*