

NIAGARA



On - Line, 1-2-3-5-7 kVA

Niagara series uninterruptible power supplies are true on-line devices featuring double-conversion topology, with single-phase input and single-phase output. The power circuitry uses Sinusoidal Pulse Width Modulation (SPWM) and Insulated Gate Bipolar Transistors (IGBT). Microprocessor control is enhanced by Digital Signal Processing (DSP) technology. This allows the Black series to quickly monitor varying output conditions and to continuously supply the purest sinewave to your critical electronic equipment via a real-time sampling technique. Static bypass is standard on all models. SNMP and Web-based status monitoring is optionally available for these units. The Niagara series comes with maintenance-free dry type lead-acid batteries of different ratings and amounts, to account for different autonomy times.

Features:

- True on-line topology with sinusoidal output
- SPWM and IGBT technology (power circuit)
- DSP technology (control circuit)
- Input power factor correction
- Wide range of input voltage
- Enhanced LCD for easy status monitoring
- Cold start feature
- Automatic and manual battery test system
- Remote status monitoring and control via SNMP / HTTP / SMTP (*option*)
- ISO 9001 certified company
- 1-year warranty
- 10-years spare parts availability guarantee
- Year-round 24-hour emergency technical support

Uninterruptible Power Supply

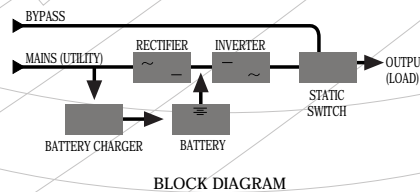
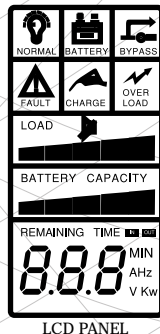
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TECHNICAL SPECIFICATIONS



MODEL	NG 101	NG 102	NG 103	NG 105	NG 107									
POWER FACTOR	0,7													
POWER RATING	1kVA/0.7kW	2kVA/1.4kW	3kVA/2.1kW	5kVA/3.5kW	7kVA/4.9kW									
INPUT	Voltage 220 Vac, 1 - Phase Voltage Tolerance 160-274 Vac Frequency 50 / 60 Hz. Frequency Tolerance ±3 Hz. ±5 Hz.													
BATTERY	Nominal String Voltage 36 Vdc 72 Vdc 96 Vdc 240 Vdc 288 Vdc Autonomy at Full Load 7 min. 6 min. 9 min. Autonomy at Half Load 18 min. 15 min. 25 min. Battery Type Maintenance-free, dry type Recharge Capacity (~4 hours) 90% (if fully discharged)													
OUTPUT	Voltage 220/230/240 Vac, 1- Phase Voltage Tolerance ±1% Frequency 50 / 60 Hz. Frequency Tolerance ±0.1% Total Harmonic Distortion (THD) <2% (for linear loads) Overload Capacity <table border="1"> <tr> <td>125% 1 min.</td> <td>125% 1min.</td> <td>125% 1 min.</td> </tr> <tr> <td>150% 10 sec.</td> <td>150% 30 sec.</td> <td>150% 10 sec.</td> </tr> <tr> <td>300% 3 sec.</td> <td>300% 3 sec.</td> <td>300% 3 sec.</td> </tr> </table>					125% 1 min.	125% 1min.	125% 1 min.	150% 10 sec.	150% 30 sec.	150% 10 sec.	300% 3 sec.	300% 3 sec.	300% 3 sec.
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150% 10 sec.	150% 30 sec.	150% 10 sec.												
300% 3 sec.	300% 3 sec.	300% 3 sec.												
EFFICIENCY	Inverter >92% Overall >84% >86%													
TRANSFER TIME	0ms													
STATUS MONITORING (LOCAL)	LED	LCD												
STATUS MONITORING (REMOTE)	RS-232 Port Monitoring and Control Supported Operating Systems UNIX, LINUX, NOVELL, OS/2, Windows 95/98/00/NT													
ENVIRONMENTAL	Audible Noise (@ 1 m.) <50 dBA <52 dBA <55 dBA Operating Temperature 0°C 40°C Relative Humidity 10% - 90% (Non-condensing)													
DIMENSIONS	WxDxH (mm) 145x405x222 216x448x365 216x616x678													
WEIGHT	With Batteries (kg.) 14.7 30 36 95 108													

All specifications subject to change without notice. Consult EKA's technical support department for special applications. All names used above are registered trademarks of their respective owners.



Uninterruptible Power Supply



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