CGL2K SERIES PURE SINEWAVE INVERTER 2000 WATTS

12, 24, or 48VDC 120V 50/60 HZ or 220V 50/60HZ Output



APPLICATIONS

Nova Electric's CGL-Series inverters are intended for commercial and industrial applications wherever pure sinewave power is needed at 50 or 60 Hz. These inverters are ideal for running electronic loads such as computers, monitors, printers, telecom systems, radios, fluorescent lamps from batteries, field generators, and solar electro-voltaic panels. They can also drive hand drills, motors and small compressors – please consult the factory for proper sizing. These CGL models can also be optionally ruggedized against shock, vibration, and humidity for military applications including vehicle mounted, shipboard, submarine, aircraft, and ground fixed shelters.

- Computers
- Sail Boats
- Monitors
- Photo Voltaic
- Printers
- Instruments
- Electric Tools
- Appliances
- □ RVs
- Military



NOVA ELECTRIC

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CGL-SERIES PURE SINEWAVE DC-AC INVERTER

SPECIFICATIONS

FEATURES

- True sinewave output
- THD < 3%
- Input and output fully isolated
- · Load controlled cooling fan
- · Advanced microprocessor control
- Output frequency 50/60 Hz switch selectable
- Low power saving mode to conserve energy
- CE approved

PROTECTIVE FEATURES

- Input reverse polarity
- Undervoltage
- Overvoltage
- Output short circuit
- Overload
- Overtemperature

ELECTRICAL

Input Voltage: 12, 24 or 48VDC

Output Voltage 110V models: 100/110/120 VAC Output Voltage 230V models: 220/230/240 VAC

Rated Power: 2000W Surge Power: 4000W

Frequency: 50 or 60 HZ switch selectable

AC Regulation: +/- 3%

Std. Rceptacles 110V models: NEMA5-20r Std. Rceptacles 220V models: Schuko

Led Indicators: Input voltage level, output load

level and fault status

ENVIRONMENTAL

Operating Temp: -20° to +50°C Storage Temp Range: -40° to +71°C Humidity: to 95% non condensing

SAFETY & EMC

Safety Standards: Meets UL458 Isolation Resistance: I/P - O/P: 100M

Ohms / 500VDC FOR 110V Models

EMI Conduction and Radiation: Compliance to FCC class A

FOR 230V Models

EMI Conduction and Radiation: Compliance to EN55022 class A EMS Immunity: Compliance to

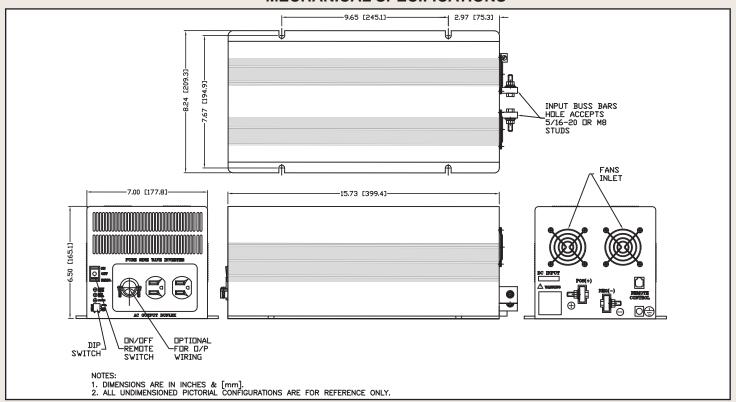
EN61000-3-2,3

LVD: Compliance to EN60950-1 e-MARK: Compliance to e-13 * 72/245/EEC, 95/54/EC

MODEL SELECTION

	CGL2K-12-120	CGL2K-24-120	CGL2K-48-120	CGL2K-12-220	CGL2K-24-220	CGL2K-48-220
DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage Range	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC
Efficiency (Typ.)	89.0%	92.0%	93.0%	91.0%	94.0%	95.0%
Low VDC Alarm	11VDC	22VDC	44VDC	11VDC	22VDC	44VDC
Low VDC Shutdown	10.5VDC	21.0VDC	42.0VDC	10.5VDC	21.0VDC	42.0VDC
Over Voltage	15.3VDC	30.6VDC	61.2VDC	15.3VDC	30.6VDC	61.2VDC
No Load Current draw	2.80A	1.50A	0.70A	2.64A	1.32A	0.65A
Stand-by Current draw	0.50A	0.30A	0.15A	0.60A	0.25A	0.15A
Weight	20 pounds / 9.0 Kg.					

MECHANICAL SPECIFICATIONS



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