CGL1.5K SERIES
PURE SINEWAVE INVERTER
1500W / 2000VA

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

NOVA ELECTRIC
www.novaelectric.com
novasales@theallpower.com

A Leader in Inverter Technology since 1966 - 500VA to 500+KVA

CGL-SERIES PURE SINEWAVE DC-AC INVERTER

SPECIFICATIONS

FEATURES

- True sinewave output
- THD < 3%
- RS232 interface
- CR5 Remote control optional
- Input and output fully isolated
- Thermostat controlled cooling fan
- Advanced microprocessor control
- Output voltage switch selectable
- Output frequency 50/60 Hz switch selectable
- “Power Saver” mode for energy conservation
- Front panel LED meters and alarms
- 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: 1500W
Surge Power: 2000W
Frequency: 50 or 60 HZ switch selectable
AC Regulation: +/- 3%
Std. Rceptacles 110V models: NEMA5-15r
Std. Rceptacles 220V models: Schuko
Led Indicators: OVP, UVP, OTP, 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

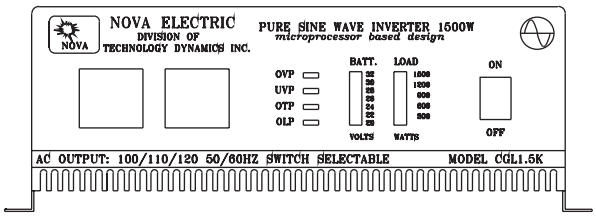
Safety Standards: UL458
(with optional GFCI outlet only)
Isolation Resistance: I/P - O/P: 100M Ohms / 500VDC
FOR 110V Models
EMI Conduction and Radiation: Compliance to FCC class A
FOR 230V Models
EMI Conduction and Radiation: Compliance to EN55022 class A
EMS Immunity: Compliance to EN61000-3-2,3
LVD: Compliance to EN60950-1
e-MARK: Compliance to e-13 * 72/245/EEC, 95/54/EC

MODEL SELECTION

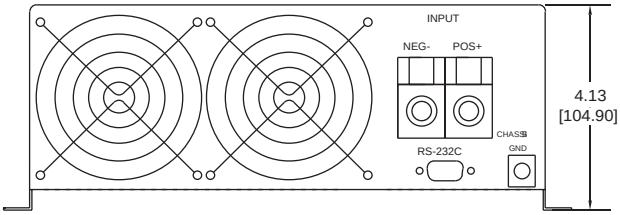
	CGL1.5KVA-12-120	CGL1.5KVA-24-120	CGL1.5KVA-48-120	CGL1.5KVA-12-220	CGL1.5KVA-24-220	CGL1.5KVA-48-220
DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage Range	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC
Efficiency (Typ.)	87.0%	90.0%	92.0%	90.0%	93.0%	94.0%
Low VDC 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	0.87A	0.43A	0.23A	0.83A	0.43A	0.22A
Weight	15.5 pounds / 7.0 Kg.					

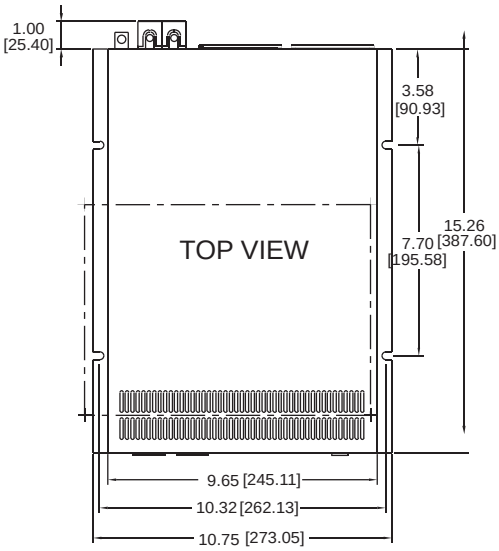
MECHANICAL SPECIFICATIONS

FRONT PANEL



REAR PANEL





WEB : ***www.novaelectric.com***
E-Mail : *novasales@theallpower.com*
PHONE : (201) 385-0500 **FAX** : (201) 385-0702

NOVA ELECTRIC
A Division of
TECHNOLOGY DYNAMICS, INC.
100 School St., Bergenfield NJ 07621