RUGGED PORTABLE OUTDOOR

OCGL - SERIES DC-AC INVERTERS

Input: 12, 24, or 48VDC Output: 120V or 220V 1Ø

50 or 60Hz

Power: 2KW/3KW



APPLICATIONS

Utilizing field proven technology, this family of rugged pure sinewave DC-AC Inverters is suitable for harsh environments and can be customized for unique applications including:

- Military Shelters
- Utility Applications
- □ Tactical Systems
- Mobile Systems
- □ Ground support
- Communications
- □ MIL-STD-810
- □ MIL-STD-461



NOVA ELECTRIC

www.novaelectric.com novasales@theallpower.com



PURE SINEWAVE DC-AC INVERTER

SPECIFICATIONS

FEATURES

- Microprocessor based design with absolutely accurate and stable frequency.
- Compact and light weight, yet rugged and vehicle rated.
- 89-95% efficient.
- Tightly regulated output voltage and frequency
- Switch selectable 50 or 60 Hz output
- Capable of driving highly reactive loads such as electric tools and appliances.
- Capable of driving highly capacitive loads such as switching power supplies.
- Very low harmonic distortion, THD<3%.
- Suitable for vehicle or wall mounting.
- IP Rating: 54 (higher ratings optional)

ELECTRICAL

Input Voltage: 12, 24 or 48 V

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

Output Voltage 220 v model: 220/230/240 vAC

Output Frequency: 50 or 60 HZ

± 0.05% Accuracy

2KW Surge Rating: 4000W 3KW Surge Rating: 6000W

No load Current: <1.0W Sleep Mode Output Waveform Sinewave: <3% THD Output Regulation: -10% / +4% All models MTBF: over 100,000 hours per field data

MTTR: 30 minutes

ENVIRONMENTAL

Operating Temperature: -20°C to +50°C Storage Temperature: -40°C to +71°C Shock: 20g / 11mS per MIL-STD-810 Vibration: per MIL-STD-810 (Munson

Road Test)

Humidity: per MIL-STD-810 to 95% non

condensing

EMI: per MIL-STD-461 CE102, CS101, CS114, CS115, CS116, RE102, and RS103

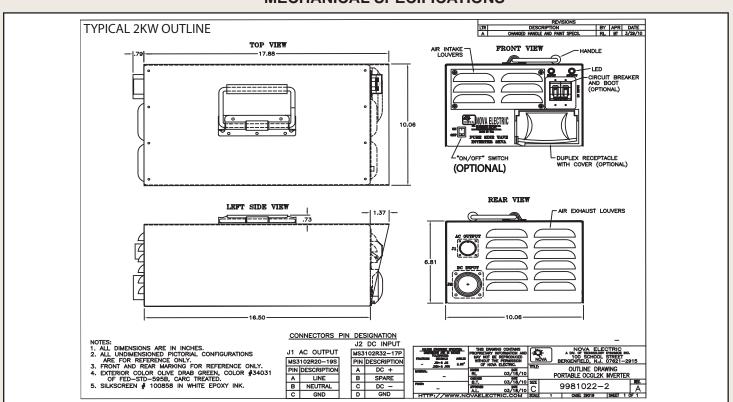
PROTECTIVE FEATURES

Overload, Short Circuit, Reverse Polarity (Fuse), O.T, Over/Under Input Voltage.

MODEL SELECTION

WODEL SELECTION							
MODEL	INPUT RANGE VDC	OUTPUT VDC	OUTPUT FREQ. (HZ)	CONTINUOUS OUTPUT POWER	EFFICIENCY (FULL LOAD)	APPROX. WEIGHT (LB)	SIZE (HxWxL) (INCHES)
OCGL2K-12-120	10.5-15	120	50 OR 60	2KW	89%	29 LB	6.8 x 10 x 17.9
OCGL2K-12-220	10.5-15	220	50 OR 60	2KW	91%	29 LB	6.8 x 10 x 17.9
OCGL2K-24-120	21-30	120	50 OR 60	2KW	92%	29 LB	6.8 x 10 x 17.9
OCGL3K-24-120	21-30	120	50 OR 60	3KW	91%	34 LB	9 x 12 x 17.9
OCGL2K-24-220	21-30	220	50 OR 60	2KW	94%	29 LB	6.8 x 10 x 17.9
OCGL3K-24-220	21-30	220	50 OR 60	3KW	93%	34 LB	9 x 12 x 17.9
OCGL2K-48-120	42-60	120	50 OR 60	2KW	93%	29 LB	6.8 x 10 x 17.9
OCGL3K-48-120	42-60	120	50 OR 60	3KW	92%	34 LB	9 x 12 x 17.9
OCGL2K-48-220	42-60	220	50 OR 60	2KW	95%	29 LB	6.8 x 10 x 17.9
OCGL3K-48-220	42-60	220	50 OR 60	3KW	94%	34 LB	9 x 12 x 17.9

MECHANICAL SPECIFICATIONS



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