



OCGP2K/3K SERIES RUGGED PORTABLE OUTDOOR DC-AC INVERTERS



24 OR 48 VDC INPUT
120V OR 220V 1Ø OUTPUT
50 Hz or 60 Hz

APPLICATIONS

The OCGP (pure sine wave) inverters are intended for indoor or outdoor military or industrial applications wherever standard utility-like 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. These units can be ruggedized optionally against shock, vibration and humidity for mobile applications. It offers protection from the elements up to IP52 level.

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
- TACTICAL SYSTEMS
- MIL-STD-810
- GROUND SUPPORT
- UTILITY APPLICATIONS
- MIL-STD-461
- MOBILE SYSTEMS
- COMMUNICATIONS



For more information, please visit us at www.novaelectric.com or email us at novales@theallpower.com

FEATURES

- Microprocessor based design with absolutely accurate and stable frequency
- Compact and light weight, yet rugged and vehicle rated
- 87% efficient.
- Tightly regulated output voltage and frequency
- Switch selectable 50 or 60 Hz output (Internal)
- 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: 52

* Normal Condition: $V_{in}=12.5V / 25V / 50V$ $V_o=100 / 110 / 115 / 120$ VAC 80% Full load (PF=1.0)

ELECTRICAL

- Input Voltage:** 12, 24 or 48 V
Output Voltage 110V model: 115 VAC
Output Voltage 220V model: 220 VAC
Output Frequency: 50 or 60 HZ $\pm 0.5\%$ Accuracy
2KW Surge Rating: 4000W
3KW Surge Rating: 6000W
No load Current: <1.0W Sleep Mode
Output Waveform Sinewave: <5% THD (120V)*
 <3% THD (220V)**
Output Regulation: -10% / +4% All models
MTBF: over 100,000 hours per field data
MTTR: 30 minutes

** Normal Condition: $V_{in}=12.5V / 25V / 50V$ $V_o=200 / 220 / 230 / 240$ VAC 80% Full load (PF=1.0)

PROTECTIVE FEATURES

- Overload
- Short Circuit
- O.T, Over/Under Input Voltage

ENVIRONMENTAL

- Operating Temperature:** -25°C to +50°C
Storage Temperature: -40°C to +5°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 with external EMI filter

*** Designed to meet

MODEL SELECTION

MODEL	INPUT RANGE VDC	OUTPUT VAC	OUTPUT FREQ. (Hz)	CONTINUOUS OUTPUT POWER	EFFICIENCY (FULL LOAD)	APPROX. WEIGHT (Lb.)	SIZE (H x W x L) (INCHES)
OCP2K-12-115	10.5-16.5	115	50 or 60	2 KW	92-94%	31 Lb.	9.00 x 12.00 x 19.75
OCP2K-12-220	10.5-16.5	220	50 or 60	2 KW	94-95%	31 Lb.	9.00 x 12.00 x 19.75
OCP2K-24-115	21-33	115	50 or 60	2 KW	92-94%	31 Lb.	9.00 x 12.00 x 19.75
OCP3K-24-115	21-33	115	50 or 60	3 KW	90-92%	37 Lb.	9.00 x 12.00 x 19.75
OCP2K-24-220	21-33	220	50 or 60	2 KW	94-95%	31 Lb.	9.00 x 12.00 x 19.75
OCP3K-24-220	21-33	220	50 or 60	3 KW	90-94%	37 Lb.	9.00 x 12.00 x 19.75
OCP2K-48-115	42-66	115	50 or 60	2 KW	92-94%	31 Lb.	9.00 x 12.00 x 19.75
OCP3K-48-115	42-66	115	50 or 60	3 KW	90-92%	37 Lb.	9.00 x 12.00 x 19.75
OCP2K-48-220	42-66	220	50 or 60	2 KW	94-95%	31 Lb.	9.00 x 12.00 x 19.75
OCP3K-48-220	42-66	220	50 or 60	3 KW	90-94%	37 Lb.	9.00 x 12.00 x 19.75

MECHANICAL SPECIFICATIONS

