

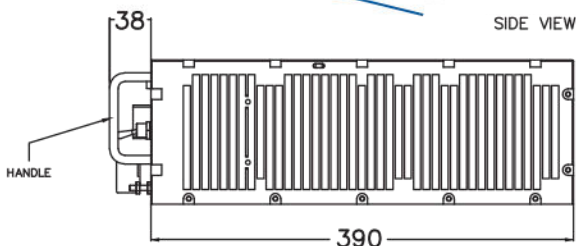
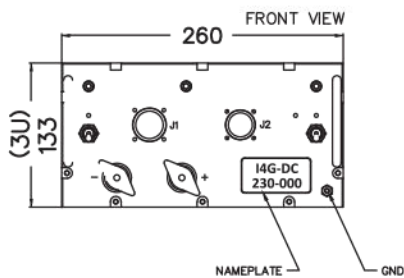


# Inverter 4G Series For Harsh Environment

## Powerful Performance, One Size Fits All, Simple Integration for harsh environment

The Inverter 4G (I4G) Power System series, with its ruggedized constructions, is best suited for use in harsh environments.

Its water resistant (IP 66) housing, high performance, and superb reliability, make the Inverter 4G the ideal AC power source for use in outdoor, vehicular, naval and field applications.



## Features

- Output 230VAC
- Input voltage: 18-72VDC

### Output Voltage Models

115 VAC 60Hz

230 VAC 50Hz

- High efficiency
- Small Shape
- IP 66
- MIL-STD 810E, MIL-STD 461E

## Market Availability:

Input	Output	Date:
18-72 VDC	230 VAC	12/2016
Communication		
18-72 VDC	115 VAC	5/2017

Challenge us with your environment!

## Specification

SN	Definition	Description	Note
<b>A</b>	<b>Input requirements</b>		
A.1	Nominal Input Voltage	24/48 VDC	
A.2	Input Voltage range	(18 ÷ 72) VDC	
A.3	MIL STD 1275B	No Damage	
A.4	Maximum Input Power	1500W	
A.5	Maximum Inrush current	150%	
<b>B</b>	<b>Output Definition</b>		
B.1	Output Voltage		
B.1.1	Nominal	230VAC 50Hz / 60Hz	
	Static Voltage Stability	< 230VAC +/- 2%	
	Static Frequency Stability	< 50Hz +/- 0.5 Hz	
B.1.2	Input Dynamic Voltage	< 230VAC +/- 5%	
	25.5V +/- 3.5V	< 50Hz +/- 2.5 Hz	
B.1.3	Output Dynamic - Load hanging	< 230VAC +/- 5%	
	10% to 100% and 100% to 10%	< 50Hz +/- 2.5 Hz	
B.2	Output Power		
B.2.1	Output Power	1000W	
B.2.2	Continuous Output Current	5A	At Nom Input Voltage
B.2.3	Output peak Current	6A	For 10 Minutes
B.2.4	Load Crest Factor	3:1 maximum	
C	T.H.D at Load 50% to 100%	Max 5%	
D	Insulation		
D.1	Input to Output at 1000VDC	< 20MΩ	
D.2	Input to chassis at 100VDC	< 20MΩ	
D.3	Output to chassis at 500VAC	< 20MΩ	
E	Turn on time	< 3 Sec	
F	Ambient Operating Temperature	-30°C ÷ 40°C (65°C*)	*2%Per °C from Max Power
G	Efficiency at Full Load	> 88%	
	Efficiency at (50% ÷ 90%) Max Load	> 80% up to 85%	
H	Safety	IEC 60950-1 Or EN 60950-1	
I	EMC	Mil STD 461E	
J	ESD	EN 61000-4-2	
K	Environmental	MIL STD 810E	

### Horizon Electronics

3 Bazel St. ,P.O.B 3872 Kiryat Arie, Petah Tikva 4951037, ISRAEL  
 Tel: +972-3-923-0091 | Fax: +972-3-924-7379 | sales@horizon-pss.com

**North America** Tel: +1-224-279-1284  
**Europe** Tel: +47-9715-4099

[www.horizon-pss.com](http://www.horizon-pss.com)