

# IVS1000 Series DC/AC Pure-Sinewave Inverter



A product of:



## Benefits

- Ultra-Quiet
- Power sensitive electronics without interference
- Rugged & Reliable
- Ensure years of safe and trouble free operation

## Applications

- Marine / Automotive / RV
- Electric Utilities and Substations
- Telecom Power Plants
- Manufacturing Locations
- Steel Mills
- Military Applications (COTS)
- Industrial Controls
- OEM Applications
- Solar / Alternative Power Systems
- Fuel Cells

## DC/AC Inverters

### IVS1000 Series Pure-Sinewave

#### Description

The IVS1000 Series is a highly compact 1000VA DC/AC pure sinewave inverter that uses established design techniques to ensure high reliability.

Suitable for a wide range of applications, the IVS1000 features full electronic protection, high efficiency and low output noise. The built-in fan provides sufficient airflow for operation without de-rating up to 50°C ambient temperature.

Extended operating temperature (-40°C) is available.

The inverter can be loaded with a fluorescent lamp load up to the full-specified output power.

#### Features

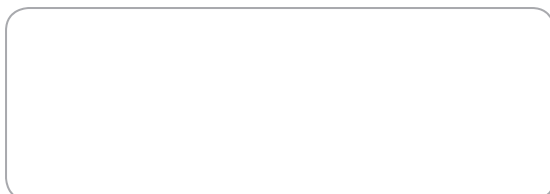
- Input is filtered to EN 55022 Class B
- Very low input ripple current
- Compact size, light weight
- Sinusoidal wave shape
- Multiple input and output voltages available
- 1000VA of output power
- Full electronic protection
- Field-proven design topology

# Specifications ( Specifications Subject to Change Without Notice)

## Specifications

<b>Input Voltage</b>	24VDC, 36VDC, 48VDC, 125VDC, 250VDC +/-20% are standard Other inputs available, please consult factory
<b>Input Protection</b>	Thermal fuse, Inrush current limiting, Reverse polarity protection
<b>Isolation</b>	Input to chassis 500VDC for < 60V input, 1500VDC for > 60V input Input to output 2250VDC, Output to chassis 2250VDC
<b>Output Voltage</b>	115VAC / 50Hz or 60Hz or 400Hz / 8.7A or 230VAC / 50Hz or 60Hz or 400Hz / 4.34A with grounded neutral. Isolated floating output optional (Consult factory for other voltages and frequencies)
<b>Wave Form</b>	Sinusoidal
<b>Total Harmonic Distortion</b>	Less than 5% at full load
<b>Efficiency</b>	Min 78% at full load
<b>Line Regulation</b>	Maximum 0.5%
<b>Load Regulation</b>	Maximum $\pm$ 6% from 10% load to full load ( $\pm$ 1% option available)
<b>Output Protection</b>	Current limiting with short circuit protection, thermal shutdown with automatic recovery in case of continuous overload or insufficient airflow
<b>EMI</b>	Meets EN 55022 Class B
<b>Load Crest Factor</b>	Maximum 3.0 at 90% load
<b>Operating Temperature Range</b>	0° C to +50° C, Derating Linearly 2.5% per ° C from 50° C
<b>Humidity</b>	5 - 95% non-condensing
<b>Temperature Drift</b>	0.05% per ° C over operating temperature range
<b>Dimensions</b>	13.5 x 19.1 x 39.7 cm / 5.3" x 7.5" x 15.5" enclosed case (H x W x L)
<b>Connections</b>	Input: Compression-type terminal Output: Standard AC receptacle
<b>Weight</b>	13 pounds (5.9 Kg)
<b>Safety</b>	Compliance to C22.2 No. 107.1 - 01 and UL 458
<b>Options</b>	Output Fail Alarm (Form C) Remote Inhibit: By closing external contacts on the inhibit terminals
<b>Warranty</b>	2 years

Available from:



## RIPEnergy®

The power conversion company

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Version 1.2.10