

# IVS1000-F Series DC/AC Pure-Sinewave Inverter



## 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-F Series Pure-Sinewave

#### Description

The IVS1000-F Series compact, low-profile DC/AC inverter utilizes established design techniques to deliver 1000VA sine wave output voltage.

Suitable for a wide range of applications, the IVS1000-F features full electronic protection, high efficiency and low output noise.

The built-in fans provide sufficient airflow for operation without de-rating up to 50°C ambient temperature.

An extended operating temperature range option is also available.

The output is fully isolated from the input and may either be used in grounded neutral operation (standard) or in floating mode (optional).

#### Features

- Filtered input
- 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 +/-15% are standard Other inputs available, please consult factory
<b>Input Protection</b>	Internal safety fuse Inrush current limiting Reverse polarity protection
<b>Output Voltage</b>	115VAC / 60Hz or 400Hz / 8.7A or 230VAC / 50Hz / 4.34A with grounded neutral. Isolated floating output optional (Consult factory for other output requirements)
<b>Wave Form</b>	Sinusoidal
<b>Total Harmonic Distortion</b>	Less than 5% at full load
<b>Efficiency</b>	Input voltage dependent Typically 80% at full load
<b>Line Regulation</b>	Maximum 0.5%
<b>Load Regulation</b>	Maximum $\pm 6\%$ from no load to full load ( $\pm 2\%$ 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 A as a minimum
<b>Load Crest Factor</b>	Maximum 3.0 at 90% load
<b>Operating Temperature Range</b>	0° C to +50° C
<b>Humidity</b>	5 - 95% non-condensing
<b>Temperature Drift</b>	0.05% per °C over operating temperature range
<b>Cooling</b>	Build-in fans
<b>Environmental Protection</b>	Basic ruggedizing
<b>Dimensions</b>	5.6 x 42.4 x 38.1 cm enclosed case (H x W x L)
<b>Connections</b>	Input: Compression-type terminal Output: Standard AC receptacle
<b>Weight</b>	8 Kg
<b>Safety</b>	Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950
<b>Alarm output</b>	None
<b>Warranty</b>	1 year

Available from:



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The power conversion company

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