



# ANALYTIC SYSTEMS

Power Conversion Solutions

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## 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 Pure-Sine Inverters

### IVS1500 Series Pure Sinewave Inverter

#### Description

The IVS1500 Series is a compact 1500VA DC/AC inverter that uses established design techniques to ensure high reliability.

Suitable for a wide range of applications, the IVS1500 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.

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 60Hz input ripple current
- Modular design, light weight
- Sinusoidal wave shape
- Multiple input and output voltages available
- 1500VA of output power
- Full electronic protection
- Field-proven design topology

## Specifications

<b>Input Voltage</b>	24V, 36V, 48V, 125V, 270VDC +/-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 / 60 Hz/ 13A or 230VAC / 6.5A continuous at 50, 60, or 400 Hz 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 Extended range available (Consult factory)
<b>Humidity</b>	5 - 95% non-condensing
<b>Temperature Drift</b>	0.05% per °C over operating temperature range
<b>Dimensions</b>	5.3" X 13.8" x 16.75" (H x L x W) enclosed case
<b>Connections</b>	Input: Compression-type terminal Output: Standard AC receptacle
<b>Weight</b>	25 pounds (11.35 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 connecting DC voltage (as specified) to the inhibit terminals

**Warranty: Twelve months subject to application within good engineering practice**

Enhancements to these general specifications can be accommodated upon request  
Designed to meet common approval requirements. Specifications Subject to Change Without Notice  
Designed and Manufactured in Canada

Available From:



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Quality since 1976

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