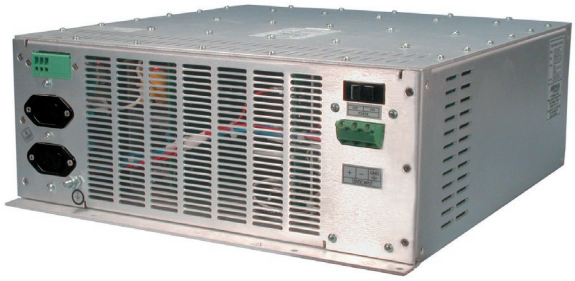
IVS2000 Series DC/AC Pure-Sinewave Inverter



A product of:

ANALYTIC SYSTEMS

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

IVS2000 Series Pure-Sinewave

Description

The IVS2000 Series DC/AC inverter uses established design techniques to ensure high reliability.

Suitable for a wide range of applications, the IVS2000 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 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
- Modular design, light weight
- Sinusoidal wave shape
- Multiple input and output voltages available
- 2000VA of output power
- Full electronic protection
- Field-proven design topology

Specifications *(Specifications Subject to Change Without Notice)*

Specifications

Input Voltage	24VDC, 36VDC, 48VDC, 125VDC, 250VDC +/-15% are standard Other inputs available, please consult factory
Input Protection	Thermal fuse, Inrush current limiting, Reverse polarity protection
Isolation	Input to chassis 500VDC for < 60V input, 1500VDC for > 60V input Input to output 2250VDC, Output to chassis 2250VDC
Output Voltage	115VAC / 50Hz or 60Hz or 400Hz / 17.4A or 230VAC / 50Hz or 60Hz or 400Hz / 8.7A with grounded neutral. Isolated floating output optional (Consult factory for other voltages and frequencies)
Wave Form	Sinusoidal
Total Harmonic Distortion	Less than 5% at full load
Efficiency	Typically 80% at full load
Line Regulation	Maximum 0.5%
Load Regulation	Maximum ± 6% from no load to full load. A ± 2% option is available
Output Protection	Current limiting with short circuit protection, thermal shutdown with automatic recovery in case of continuous overload or insufficient airflow
EMI	EN 55022 Class B for versions where input current <70A Class B filtering is an option where input current >70A
Load Crest Factor	Maximum 3.0 at 90% load
Operating Temperature Range	0° C to +50° C, Derating Linearly 2.5% per °C from 50°C Extended range available, consult factory
Humidity	5 - 95% non-condensing
Temperature Drift	0.05% per ° C over operating temperature range
Dimensions	42.6 x 13.5 x 35.1 cm enclosed case (W x H x D)
Connections	Input: Compression-type terminal Outputs: 115VAC: Standard AC receptacle 230VAC: IEC connector
Weight	9.08 - 11.35 kg Weight may vary depending on input/output configuration
Safety	Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950
Options	Output Fail Alarm (Form C) Remote Inhibit: By closing external contacts on the inhibit terminals
Warranty	2 years

Available from:

RIPEnergy®
The power conversion company

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