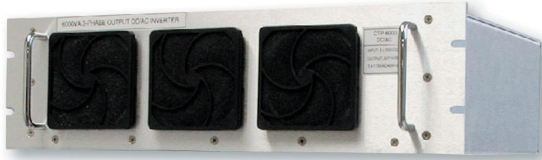


IVS2000R Series DC/AC Pure-Sinewave Inverter



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

IVS2000R Series Pure-Sinewave

Description

The IVS2000R Series DC/AC inverter uses established design techniques to ensure high reliability.

Suitable for a wide range of applications, the IVS2000R 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

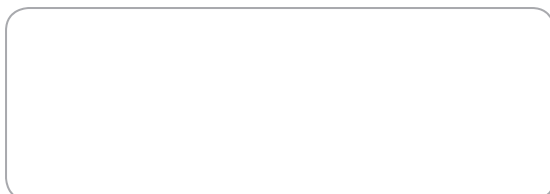
- Input is filtered to EN 55022 Class B
- Very low input ripple current
- Modular design, light weight
- Sinusoidal wave shape
- Multiple input and output voltages available
- 2000VA of output power
- Full electronic protection
- Field-proven design topology

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	Min 78% at full load
Line Regulation	Maximum 0.5%
Load Regulation	Maximum \pm 2% from no load to full load
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	3U x 19" x 15" enclosed case (H x L x W) Chassis may vary, depending upon input/output configuration requirements
Connections	Input/output: terminal block
Weight	40 pounds (18.2 Kg)
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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