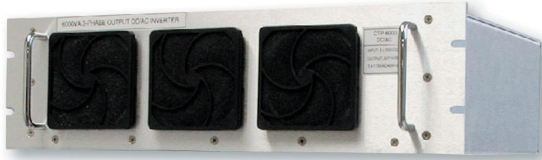


IVS2500R Series DC/AC Pure-Sinewave Inverter



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

IVS2500R Series Pure-Sinewave

Description

The IVS2500R Series is a compact 2500VA 19" Rackmount DC/AC pure sinewave inverter that uses established design techniques to ensure high reliability.

Suitable for a wide range of applications, the IVS2500R 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 output is fully isolated from the input and may either be used in grounded neutral operation (standard) or in floating mode (optional).

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

Features

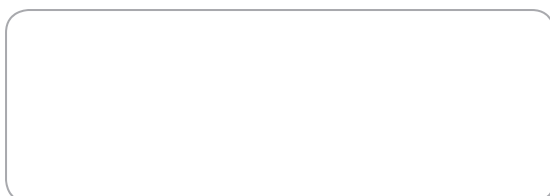
- Input is filtered to EN 55022 Class A
- Very low input ripple current
- Modular design, light weight
- Sinusoidal wave shape
- Multiple input and output voltages available
- 2500VA of output power
- Full electronic protection
- Field-proven design topology

Specifications (Specifications Subject to Change Without Notice)

Specifications

Input Voltage	24V, 36V, 48V, 125V, 250VDC +/-15% are standard Other inputs available, please consult factory
Input Protection	Internal safety fuse, Inrush current limiting, Reverse polarity protection
Input 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 / 21.7A or 230VAC / 50Hz or 60Hz or 400Hz / 10.9A with grounded neutral. Isolated floating output optional (Consult factory for other output requirements)
Wave Form	Sinusoidal
Total Harmonic Distortion	Better than 5% at full load
Efficiency	Min 80% at full load
Line Regulation	Maximum 0.5%
Load Regulation	Maximum \pm 6% from no load to full load. A \pm 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 Suppression	EN 55022 Class A as a minimum
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
Environmental protection	Basic ruggedizing
Dimensions	Input <125Vdc 3U x 19" x 18" (H x W x D), (30 lbs/14kg) Input =125Vdc; output 115Vac: 13.8" x 5.3" x 16.25" (W x H x D), (26 lbs/12kg) Input =125Vdc; output 230Vac: 11.5" x 5.3" x 16.25" (W x H x D), (22 lbs/10kg) Other chassis available upon request
Connections	Input/output: Compression-type terminals
Options	Output Fail Alarm (Form C) Remote Inhibit: by connecting DC voltage (as specified) to the inhibit terminals
Safety	Designed to meet C22.2 No. 107.1 - 01, UL 458 and EN60950 Please contact factory for approval status for the requested input/output configuration
Warranty	2 years

Available from:



RIPEnergy®

The power conversion company

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