

RISI8000 Series DC/AC Pure-Sinewave Inverter



Pure sinewave



High frequency technology



Light weight, compact size



Full electronic protection



Optional extended temperature range



Optional output fail alarm (Form C)

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

RISI8000 Series Pure-Sinewave

Description

This rugged industrial sinewave inverter uses field proven, microprocessor controlled high frequency PWM technology to generate 8000VA output power.

Suitable for a wide range of applications, the IVS8000 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 inverter can be loaded with a fluorescent lamp load up to the full-specified output power.

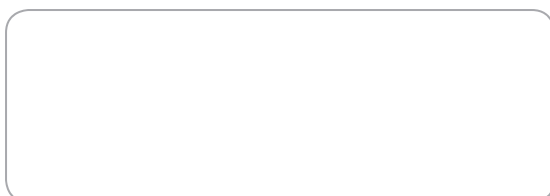
Features

- Input is filtered to EN 55022 Class A
- Very low input ripple current
- Modular design
- Sinusoidal wave shape
- Multiple input and output voltages available
- 8000VA of output power
- Full electronic protection
- Field-proven design topology

Specifications (Specifications Subject to Change Without Notice)

Input Voltage	250VDC +/-15% Other inputs available, please consult factory
Input Protection	Internal safety fuse, Inrush current limiting, Reverse polarity protection
Isolation	2250VDC input to output 2400VDC input to chassis 2250VDC output to chassis
Output Voltage	220VAC / 50Hz / 36A with grounded neutral. Isolated floating output optional (Consult factory for other voltages and frequencies)
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
Output Over-load Protection	Hiccup at 9000W
EMI / RFI Suppression	EN 55022 Class A as a minimum
Load Crest Factor	Maximum 2.5 at 90% load
Operating Temperature Range	0°C to +50°C for full specification without derating derating linearly 2.5% per °C rise above +50°C to +70°C max. Extended temperature range available
Humidity	5 - 95% non-condensing
Temperature Drift	0.05% per °C over operating temperature range
Dimensions	(H x W x D) 6U(10.5") x 19"x 19" chassis mount
Connections	Input/output: Compression-type terminals
Weight	approx. 32 kg Weight may vary depending on input/output configuration
Safety	Compliance to C22.2 No. 107.1 - 01, UL 458 and EN60950
Options	Output Fail Alarm (Form C) Remote Inhibit
Warranty	2 years

Available from:



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