

Transduction

TR-1000VA-125VDC

2U Rack Mount Power Inverter

TR-1000VA-125VDC DC to AC Sinewave



Features

- ▶ Pure sinewave output (<5%THD).
- ▶ Input and output isolation.
- ▶ High efficiency 87%.
- ▶ High surge capacity inductive loads.
- ▶ Soft start technology.
- ▶ Frequency 50/60Hz switchable.
- ▶ Auto restart.
- ▶ 2U rack mount.
- ▶ 3 year warranty.

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Specification

Model

- ▶ TR-1000VA-125VDC

DC Input Voltage

- ▶ $\pm 125\text{VDC}$
- ▶ Optional 250VDC

Voltage Range

- ▶ 105-140VDC

Output Wave Form

- ▶ Pure sinewave <5%THD at full load

AC Output Voltage

- ▶ 120VAC

Continuous Output Power

- ▶ 1000VA

Max Peak Power

- ▶ 2400VA

Frequency

- ▶ 60Hz or 400Hz $\pm 3\%$

AC Regulation

- ▶ $\pm 6\%$, no load to full load

Receptacles

- ▶ 2 front, 2 rear

Indicators

- ▶ Analog 2.5" V & A meters

DC Current

- ▶ 10A, 40A in-rush max.

No Load Current Draw

- ▶ 0.3A

Efficiency

- ▶ >87%

DC Connector

- ▶ Terminal lugs and 40" cables

EMI

- ▶ Minimum EN55022 Class A

MTBF

- ▶ MTBF > 140,000 hours

Output Noise

- ▶ High frequency ripple is better than 500mV RMS (20MHz BW)

Temperature Protection

- ▶ $55^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Output Short Circuit Protection

- ▶ Thermal shutdown

Input Reverse Polarity Circuit Protection

- ▶ Internal safety fuse, inrush current limiting varistors

Overload Protection

- ▶ Current limiting, thermal shutdown

Operating Temperature

- ▶ $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$

Cooling

- ▶ Built-in 2 redundant fans

Humidity

- ▶ 20% ~ 90% RH, non-condensing

Storage Temperature Range

- ▶ $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$; 10% ~ 95% RH

Temperature Coefficient

- ▶ $\pm 0.05\% / ^{\circ}\text{C}$ ($0^{\circ}\text{C} \sim 50^{\circ}\text{C}$)

Dimensions

- ▶ 17"(L) x 19"(W) x 3.5"(H)

Net Weight

- ▶ 9.0KG