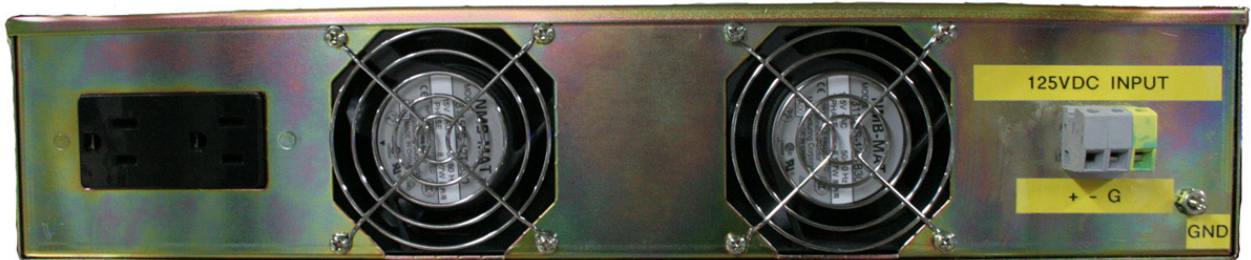


# Transduction

## 2U Rack Mount Power Inverter

### TR-1000VA-125VDC/120VAC

TR-1000VA-125VDC to 120VAC Sinewave Inverter



#### Features

- Output 120VAC.
- 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.
- Electrical Safety Approval
- MTBF > 80,000 hours.
- 3 year warranty.

### TR-1000VA-125VDC/120VAC

#### Specification

##### Model

- TR-1000VA-125VDC/120VAC

##### DC Input Voltage

- 125VDC
- Optional 250VDC

##### DC Voltage Range

- 105 - 140VDC

##### Output Wave Form

- Pure sinewave <5% THD at full load

##### AC Output Voltage

- 120VAC

##### AC Regulation

- $\pm 6\%$ , no load to full load

##### Continuous Output Power

- 1000VA

##### Max Peak Power

- 2400VA

##### Frequency

- 50/60Hz  $\pm 3\%$

##### 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 max.

##### Efficiency

- 87% at full load

##### DC Connector

- Terminal blocks

##### EMI

- Minimum EN55022 Class A

##### MTBF

- 80,000 hours at 45°C (113°F)

##### Output Noise

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

##### Input Reverse Polarity Circuit Protection

- Internal safety fuse, inrush current limiting varistors

##### Overload Protection

- Current limiting short circuit protection, thermal shut-down

##### ESA

- As per CSA/UL code SPE1000

##### Operating Temperature

- -20 ~ 50°C (-4 ~ 122°F)

##### Cooling

- Built-in 2 redundant ball bearing fans

##### Storage Temperature

- -30 ~ 70°C (-22 ~ 158°F)

##### Humidity

- Relative humidity 10 ~ 90%, non-condensing

##### Warranty: 3 years

##### Dimensions

- 2U (3.5" x 19" x 17")

##### Weight

- 9.0kg (19.8lbs)