

# Transduction

TR-1000VA-48VDC

## 2U Rack Mount Power Inverter

TR-1000VA-48VDC DC to AC Sinewave



### Features

- ▶ Pure sinewave output (<2%THD).
- ▶ Input and output isolation.
- ▶ High efficiency 87% ~ 90%.
- ▶ High surge capacity inductive loads.
- ▶ Soft start technology.
- ▶ Frequency 50/60Hz switchable.
- ▶ Auto restart.
- ▶ 2U rack mount.
- ▶ 3 year warranty.

**TRANSDUCTION** 5155 Spectrum Way, Bldg 23, Mississauga, ON L4W 5A1  
1.800.268.0427 905.625.1907 Fax: 905.625.0531  
www.transduction.com Email: sales@transduction.com

# Transduction

## 2U Rack Mount Power Inverter

### TR-1000VA-48VDC

TR-1000VA-48VDC DC to AC Sinewave

#### Specification

##### Model

- ▶ TR-1000VA-48VDC

##### DC Input Voltage

- ▶  $\pm 48\text{VDC}$

##### Voltage Range

- ▶ 42-64VDC

##### Output Wave Form

- ▶ Pure sinewave <2%THD

##### AC Output Voltage

- ▶ 120VAC

##### Continuous Output Power

- ▶ 1000W

##### Max Peak Power

- ▶ 2400W

##### Frequency

- ▶ 50/60Hz  $\pm 3\%$

##### AC Regulation

- ▶  $\pm 5\%$

##### Receptacles

- ▶ 2 front, 2 rear

##### Indicators

- ▶ Analog 2.5" V & A meters

##### DC Current

- ▶ 20A, 80A in-rush

##### No Load Current Draw

- ▶ 0.3A

##### Efficiency

- ▶ >87%

##### DC Connector

- ▶ Terminal lugs and 40" cables

##### Battery Low Alarm

- ▶  $44\pm 2\text{V}$

##### Battery Low Shutdown

- ▶  $42\pm 2\text{V}$

##### Over Voltage

- ▶  $64\pm 2\text{V}$

##### Temperature Protection

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

##### Output Short Circuit Protection

- ▶ Shutdown

##### Input Reverse Polarity Circuit Protection

- ▶ Internal fuse

##### Overload Protection

- ▶ Restarts 2 times. Shutdown if failed

##### Operating Temperature

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

##### 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