

Transduction

TR-1000VA-RM
TR-1000VA-PM

2U Rack Mount Version
Panel Mount Version

TR-1000VA DC to AC Sinewave Inverter



The TR-1000VA DC to AC pure sinewave inverter, with AC/AC UPS switch, provides 110V AC from either 48 V or -48V DC power. It will produce spike-free, clean AC power for computer, data acquisition, control and telecom systems. Very reliable solid-state design will provide sinusoidal output for many years of trouble free operation.

Features:

- Microprocessor based design with absolutely accurate and stable frequency
- Switch selectable 50Hz or 60Hz output on all models
- Very low harmonic distortion THD<3%
- Standard input 48V DC or -48V DC
- Standard output 110V, 50~60Hz
- 2000V DC input/output isolation
- Remote Control Unit (optional accessory)
- Power Saver
- Panel indicators for battery voltage and load level
- Compact and light weight, yet rugged and vehicle rated, 83 ~ 85% efficient
- Built-in, fast acting AC synchronized transfer switch (<10mSec)
- Floating DC input & transformer DC/AC isolation
- FCC Class B and CE regulatory approvals

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TR-1000VA DC to AC Sinewave Inverter

SPECIFICATIONS:

- **Model:** TR-1000VA-48
- **Continuous output power:** 1000W
- **Output power surge:** 1400W
- **AC Output Voltage:**
100/110/120V $\pm 2\%$
DIP switch selectable
- **Output voltage regulation:** $\pm 3\%$
- **Output frequency:**
50/60Hz selectable
 $\pm 0.05\%$ accuracy
- **Output wave form:**
Pure Sine Wave $< 3\%$ THD
- **Efficiency (full load):** 83-85%
- **No Load power consumption:**
 $< 1.5W$ (in power saving mode)
- **Input voltage range:**
44 ~ 56V DC
- **Power saving recovery time:** 1 second
- **AC transfer time (UPS mode):**
 $< 10mSec$ max
- **Floating DC input & 2000V DC input to output isolation**
- **LED status indicators:**
High/Low battery shutdown, over temperature shutdown, overload shutdown, input DC voltage scale meter, output watts % scale meter
- **Protection features:**

Overload, short circuit, over/under input voltage, over temperature, reverse input polarity (by fuse)

*Remote controller is optional

- **RS485 Remote Controller (optional):**
Power output ON/OFF, power saving mode, reset, error messages and more
- **Operating temperature range:** 0~50°C (32~122°F)
- **Storage temperature range:** -30~75°C (-22~167°F)
- **Regulatory approvals:** FCC Class B and CE
- **Dimensions (LxWxH):**
Rack mount 15.75" x 19" x 3.5"
Panel mount 15.75" X 9.81" X 3.87"
- **Weight:**
Rack mount 22.5 Lb (10.25 Kg)
Panel mount 12.13 Lb (5.5 Kg)
- **Warranty:** Two year warranty, F.O.B. Transduction
- **Ordering Information:**

Input Voltage

TR-1000VA-RM-48V +48V or -48V DC (44-56)
TR-1000VA-PM-48V



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