

**TRU SERIES
SINGLE OUTPUT
SWITCHING POWER SUPPLIES**
5000 WATTS DUAL INPUT

CAN MEET MIL-STD-810, MIL-STD-1275 AND MIL-STD-461 (OPTIONAL)

APPLICATIONS

The TRU Series is a unique high power system designed to accept either DC input (see tables) or 230/400VAC 3 Phase 4 wire and produce highly regulated and protected DC output, ideal for remote transmission applications. The rugged construction of this unit makes it suitable for the types of shock and vibration encountered in vehicular and industrial applications.



SPECIFICATIONS

STANDARD FEATURES

- Military circular connectors for all inputs and outputs.
- Self contained DC fans.
- Provision for slides.
- Rugged construction for vehicular use.
- Substantial EMI filtering.
- Metered output volt and amp.
- Reverse polarity protection with DC input.
- Voltage and current adjustment.
- Circuit breaker at input with GFCI.
- Full diagnostic capabilities with visual indicators for UV, OV, OT and overheat.

AVAILABLE OPTIONS

- Redundant / Parallel Operation.
- Ruggedized for severe environment.
- Low Voltage Battery Disconnect (LVBD) for battery back-up operation.
- 400Hz Input
- Replaceable external fans

ELECTRICAL

DC Input Voltage: 22-30VDC (28VDC NOM)
AC Input Voltage: 3 Phase 230/400VAC 50/60Hz
Line Regulation: $\pm 1\%$
Load Regulation: $\pm 2\%$
Output Voltage Adjustment: $\pm 5\%$
Ripple and Noise: 400 mvpp
Protection: OV, OL & OT
Indicators: 3 Phase, UV, OV, OT & OL
Hold-up Time: 16 ms

MECHANICAL AND ENVIRONMENTAL

Temperature Coefficient: $.02\% / ^\circ\text{C}$
EMI: Designed to meet MIL-STD-461 with some deviations
Safety: Designed to meet UL 1950
Operating Temperature: -10°C to $+50^\circ\text{C}$
Storage Temperature: -40°C to 85°C
Cooling: Internal DC fans
Humidity: Up to 95% RH non-condensing
Weight: 85 lbs.
Size: 10.5" (H) x 19" (W) x 22" (L)