

**T1UDC SERIES
SINGLE OUTPUT 1U HIGH
DC to DC CONVERTER
600 Watts
1.65"x5"x8.7"**

APPLICATIONS

The T1UDC family of DC-DC Converters was designed to satisfy a market for low cost, high reliability applications. The T1UDC is specially suitable for critical systems in remote locations, severe environment, redundant (N+1) or battery back-up uninterruptible operation. This versatile design is loaded with options, making it suitable for today's demanding applications.

STANDARD FEATURES

- Compact, light weight
- Tightly regulated output
- OV/OL/OT protected
- $\pm 5\%$ output adjustment
- LED indicator (each module):
Output power good
- Remote inhibit
- Input via D-Sub Connector
- MTBF>150,000 hours
- Meets FCC Docket 20780
Level A and VDE 0871/6.78 Level A
UL1950, CSA, 22.2
- Meets NEBS

AVAILABLE OPTIONS

- Redundant Operation (N+1)
- Forced Current Sharing
- Ruggedized for Severe Environment
- Hot Pluggable in a 1U high rack
- Low Voltage Battery Disconnect (LVBD) for battery back-up operation



SPECIFICATIONS

Electrical

Input: 20-32 VDC or 42-56 VDC

Regulation: Line $\pm .3\%$
Load $\pm 2\%$

Ripple: 1% peak to peak, not to exceed 100mV

Efficiency: 80% Typical

Hold Up Time: 20ms min.

In Rush Current: 40A max 1/2 cycle

Protections: OV, OL & OT

Mechanical & Environmental

Operating Temperature: -10 °C to + 50 °C standard
-30 °C to + 65 °C optional

Storage Temperature: -40 °C to + 85 °C

Cooling: Internal ball bearing DC fans

Weight: 3.5 lbs. (1.6 Kgs.)