



Corporation of America

Model

TCDC 7001

Industrial DC:DC Converter for Photovoltaic Applications

24 Watt DC Power Supply
Wide DC Input range
Isolation and Control
80% Efficiency Typical

Electrical Specifications

Rated Input Voltage: 200-600 VDC
Input Voltage Range: 190-1000 VDC

Volts Output: 24VDC +/- 1%
Rated Load Current: 1.0 Amps
Input Power Max: 30 watts DC
Ripple and Noise: < 200 mVp-p
Standby Power: 2 watts Typ at 600 VDC
In Rush Current: 30 Amps Max

Hold Up Time: > 20 MillSec at 400 V

Input Fuse rated: ~1.1 Amps Max

Surge Withstand; per EN61000-6-1
Isolation / HiPot: 4250 Vdc 60 Seconds

Features:

Power On LED indicator light
Fault protected and easy reset:
.Overload 105-150%, ~cycle Input
(Cycle Input to reset)
Short Circuit ~ cycle input
OverVoltage < 30 Vdc, ~cycle input
Over Temp; 115 Deg. C (internal)



Mechanical Specifications

35 MM DIN Rail Mounting
-or side (2) screw Mounting

Glass Filled Plastic case is durable,
and UL 94 V-0 Rated for Flame

ROHS Compliant 2011/65/EU

Humidity: storage 95% from +25 to +50 C
Storage Temperature -40 to + 75 C
Operating Temperature -20 to +50 C
-per UL 1741 Ambient expectations

MTBF (Calc) > 200,000 Hours at 40 C
Lifetime: > 50,000 Hours at 50 C ambient

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Specifications Subject to Change without notice



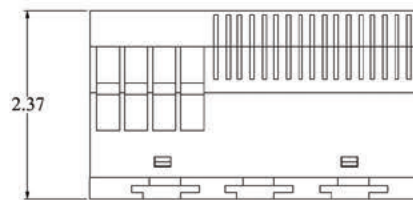
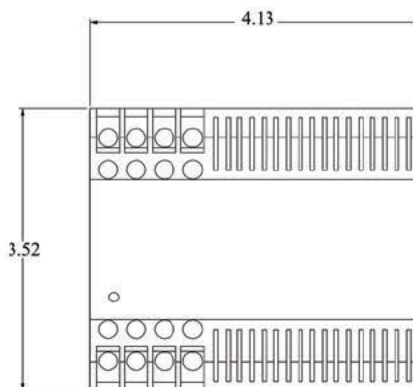
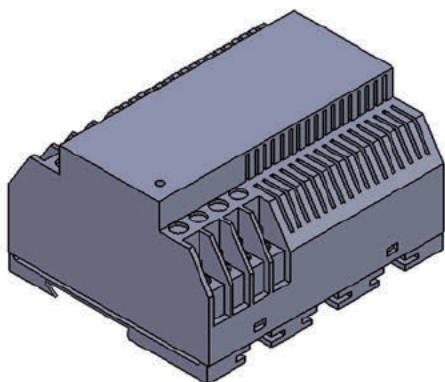
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Mechanical Specifications



Safety Specifications

Designed to Meet: (pending certification)

UL1741 CSA No. 107
and UL1012

EN61000-6.-1, -3

Dielectric Strength 4250 Vdc 60 sec.
from Input terminals to Output terminals

*For use in Controlled Environment, see Installation
Guide warnings and restrictions !*

Applications:

Smart Combiner box assemblies
Remote sensors and security power source
Radio and wireless data links
Power current sensors modules
Security Lighting
Battery Charging (coming soon!)