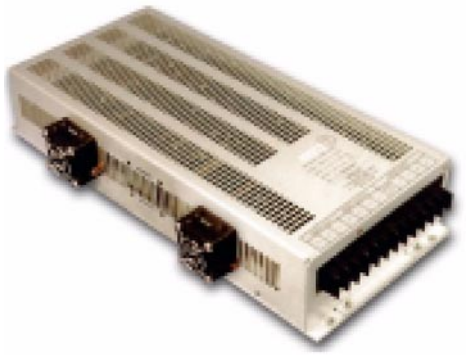
DCC265 Series DC/DC Voltage Converter



Benefits

- Ultra-Quiet
- Power sensitive electronics without interference
- Rugged & Reliable
- Ensure years of safe and trouble free operation

Applications

- Marine / Automotive / RV
- Electric Utilities and Substations
- Telecom Power Plants
- Manufacturing Locations
- Steel Mills
- Military Applications (COTS)
- Industrial Controls
- OEM Applications
- Solar / Alternative Power Systems
- Fuel Cells

DC/DC Converters

DCC265-420-600 DC/DC Converter

Description

The DCC265 Series of DC/DC converters uses a field proven high frequency push-pull topology to generate 600W output power with built-in fan cooling.

Virtually any DC output from 12V to 125VDC
24V & 48VDC are standard.
Consult factory for other voltages.

The chassis-mount design features low component count and high efficiency.

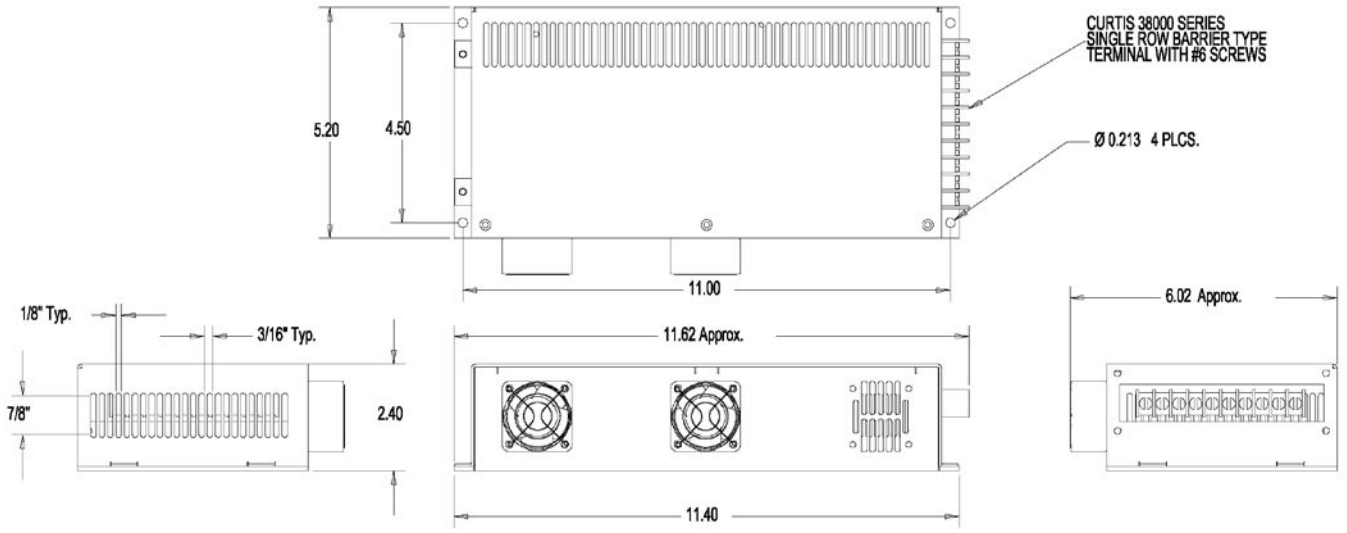
The use of high quality components and rigorous quality control results in an MTBF exceeding 150,000 hours at 45°C.

Features

- Compact size
- Single regulated and adjustable output
- 600W output power
- Full electronic protection
- Telecom quality
- Field-proven design
- n+1 redundancy available
- 1 year parts and labour warranty

Specifications *(Specifications Subject to Change Without Notice)*

Mechanical Diagram



ALL DIMENSIONS ARE IN INCHES

Specifications

Input Voltage range	24V or 48VDC are standard (or any DC input from 12V to 125VDC)
Input Protection	Thermal Fuse, Reverse polarity protection, Inrush current limiting
Input Isolation	2250 VDC input to output, input to chassis 500 VDC output to chassis
Output Voltages	420VDC / 1.4A (600W maximum with built-in fan cooling)
Line Regulation	0.5%
Load Regulation	± 1% from no load to full load
Output Overvoltage Protection	Double regulator loop
Output Protection	Rectangular current limiting, with short circuit protection. Thermal shutdown with automatic recovery in case of continuous overload.
Efficiency	Typical 80% at full load
EMI Suppression	Meets requirements for EN 55022 Class A conducted EMI as a minimum
Output Ripple/Noise	High frequency ripple is better than 100mVrms or 500mVpp (20MHz BW)
Operating Temperature	0ºC to +50ºC for full specification with built-in forced air cooling
Temperature Drift	0.03% per °C over operating temperature range
MTBF	>150‘000 @ 45°C
Connections	Screw type terminal block
Dimensions	‘FF3’ chassis: 11.4” x 6.2” x 2.425” 29 x 15.8 x 6.2 cm
Warranty	1 year

Available from:

RIPEnergy®
The power conversion company

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