

DCC419 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

DCC419 Single-Output DC Converter

Description

The DCC419 Series of DC/DC converters uses a field proven high frequency push-pull topology to generate 500W output power with convection cooling.

Virtually any DC input/output combination is possible with short delivery times. The chassis-mount design features low component count and high efficiency.

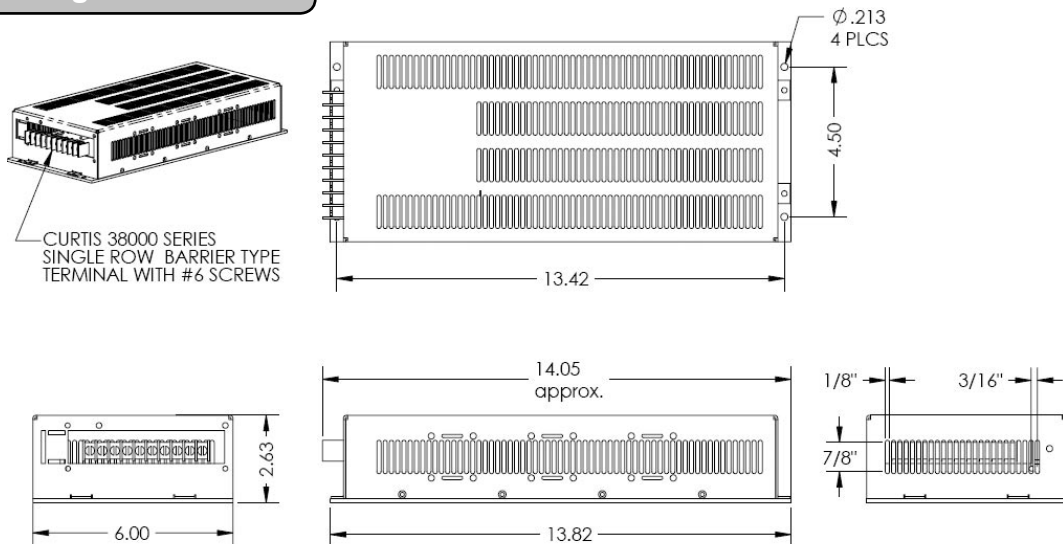
The use of high quality components and rigorous quality control results in an MTBF exceeding 200,000 hours at 45°C.

Features

- Compact size
- Single regulated and adjustable output
- 500W output power
- Full electronic protection
- Telecom quality
- Field-proven design
- Also available as plugin module
- 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 or any DC input from 24V to 125VDC
Input Protection	Thermal Fuse Inrush current limiting
Input Isolation	500VDC input to chassis 500VDC input to output 500VDC output to chassis
Output Voltages	24V / 20A or 48V / 10A standard or any DC output from 12V to 125VDC (Consult factory for other voltages)
Line / Load Regulation	± 1% combined
Output Overvoltage Protection	Double regulator loop
Overload Protection	Current limiting with short circuit protection Self-resetting thermostat for thermal protection
Efficiency	Typical 80% at full load
EMI	Meets EN 55022 Class A
Output Ripple/Noise	Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20HZ BW)
Operating Temperature	0 to +50°C with convection. Extended temperature range available
Temperature Drift	0.03% per °C over operating temperature range
MTBF	>200'000 @ 45°C
Connections	'FX' package: Screw type terminal block Plug in module: H15 connector on module
Dimensions	'FX' Package: 13.82" x 6" x 2.65" 35.1x 15.3 x 6.7 cm Plug in module: 4U x 16HP x 30.4 cm
Safety	Full compliance to IEC950, CSA 22-2-950 and UL 1950 Please contact factory for approval status for the requested input/output configuration
Warranty	1 year

Available from:



RIPEnergy®

The power conversion company

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