

# DCP800 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

DCP800 Series (isolated)

### Description

The DCP800 Series is a highly compact DC/DC converter which uses established design techniques to ensure high reliability.

Suitable for a wide range of applications, the DCP800 features full electronic protection, high efficiency and low output noise.

The built-in fan provides sufficient for operation without derating up to 50°C ambient temperature.

Options include extended operating temperature (-40°C to +65°C) and N+1 redundancy. The power factor corrected version is also available.

### Features

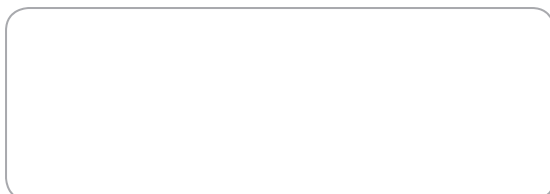
- Compact size
- Competitive price
- Full electronic protection
- Telecom quality
- Field-proven design
- Adjustable output
- n+1 redundancy available
- 1 year parts and labour warranty

# Specifications ( Specifications Subject to Change Without Notice)

## Specifications

<b>Input Voltage</b>	115VDC $\pm$ 15% 250VDC $\pm$ 15% Other inputs upon request
<b>Input Protection</b>	Thermal Fuse Inrush current limiting
<b>Input Isolation</b>	2250VDC input to chassis 4300VDC input to output 8mm spacing 500VDC output to chassis
<b>Output Voltages</b>	12V/65A, 24V/33A, 48V/16A are standard Consult factory for other voltages
<b>Line / Load Regulation</b>	$\pm$ 1% combined Tighter regulated versions with sensing available
<b>Output Overvoltage Protection</b>	Double regulator loop
<b>Overload Protection</b>	Rectangular current limiting with short circuit protection Thermal shutdown with automatic reset in case of insufficient airflow
<b>Efficiency</b>	Typical 80% at full load
<b>EMI</b>	Meets FCC 20780 Class A and EN 55022 Class A conducted emissions
<b>Output Ripple/Noise</b>	Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW) Audio band noise: max. 32dBnC
<b>Hold Up Time</b>	Minimum 10ms at full load for 5% drop of output voltage
<b>Output Fail Alarm</b>	via optocoupler - C-E (normal operation: low)
<b>Operating Temperature</b>	0 to +50°C Extended temperature range available
<b>Temperature Drift</b>	0.03% per °C over operating temperature range
<b>Connections</b>	Screw-type terminal block
<b>Dimensions</b>	12.7cm x 12.7cm x 29.3cm enclosed case can be mounted on a 3U x19" or 23" panel for rack mount applications
<b>Safety</b>	Full compliance to IEC950, CSA 22-2-950 and UL 1950 Please contact factory for approval status for the requested input/output configuration
<b>Warranty</b>	1 year

Available from:



## RIPEnergy®

The power conversion company

RIPEnergy AG  
Talstrasse 2  
CH-8702 Zollikon  
Switzerland

Ph +41-(0)43-818 53 85  
Fax +41-(0)43-818 53 87  
www.ripenergy.ch