



## The DCS 480 Converter



### Description:

Delta DCS 480 is a hot-pluggable, fan-cooled converter which converts typical +24 Vdc input to -48 Vdc (48V) for various telecommunication applications. The high power density DC/DC module employs the start-of-the-art technology and provides high performance in efficiency, power density and extended operation temperature range. Up to 4 DC/DC power modules can be equipped into one 23" wide power shelf. Up to three shelves may be connected in parallel. The maximum capability can provide more than 5.5kW output power.

### Features

- Module design for scaleable, cost effective expansion
- High efficiency
- Automatic load share, N+1 redundancy
- Hot swappable, no system shutdown for maintenance
- Reverse polarity protection design
- EMC Class B
- UL/cUL, TUV/CE Certified

### Specification

#### General

Product name DD 48 V - 480 W - A

Efficiency 48V: > 83 %

Safety EN 1950  
UL 1950  
CAN/CSA-C22.2 No.950-95

EMI, radiated compliant with FCC Part 15 class B  
EN 55022 class B

Cooling Fan cooled  
MTBF > 150 K hours

#### Input

Voltage range 24V: 40 ... 59.5 V<sub>dc</sub>

Current maximum 75 A

EMI, conducted compliant with FCC Part 15 class B  
EN 55022 class B

#### Output

Voltage, nominal 48 V<sub>dc</sub>

Voltage adjust range 42 ... 57.5 V<sub>dc</sub>

Output current 10 A

Load sharing < ± 5%  
Power limit 480 W

#### Mechanics

Width, overall 5.1" / 130 mm  
Depth, overall 11.7" / 297 mm  
Height, overall 3.1" / 80 mm  
Weight 2.22 lb / 1 kg

#### Environment

Operating temperature 0 ... + 50 °C  
Relative humidity 95 % max, non condensing  
Altitude - 500 ~ 10000 feet

\*Specifications are subject to change

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