The DCS series ...
Converter DD 24 V - 480 W - A

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 Certificated**

Applications

- **3G Co-station requirement**

Description

Delta DD 24 V - 480 W - A is a hot-pluggable, fan-cooled converter which converts typical 48 Vdc input into +24 Vdc for various telecommunication applications. The high power density DD module employs the start-of-the-art technology and provides high performance in efficiency, power density and extended operation temperature range.

The typical application for this converter is 3G co-station environments, which is a perfect solution for core network components, telecommunications networks and data networks.

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Delta Electronics, Inc. Tel:+886-3-4526107; Fax:+886-3-4527314; http://www.deltaww.com

DD 24 V - 480 W - A: Technical specifications

General	
Efficiency	> 84 %
Safety	EN 60950 UL 1950 CAN/CSA-C22.2 No.950-95
EMI, radiated	EN 55022, class B
Compliant with	
Cooling	Fan cooled
Acoustic noise	55 dB(A)
MTBF	> 150 K hours

Input	
Voltage range	40 ... 60 V_{dc}
Inrush current	< 50 A
Current maximum	15 A
EMI, conducted	EN55022, class B
Compliant with	
Mains connector	Rear side
Input protection	Breaker 20 A x 1
Input switch	Yes
Polarity protection	Yes

Output	
Voltage, nominal	24 V_{dc}, fixed
Load regulation	< ± 1 V
Line regulation	< ± 0.3 %
Overvoltage protection	28 ± 1V
Ripple	£ 50 mV_{p-p}
Current limit, nominal	21 A_{dc}
Load sharing	< ± 5%
Power limit	480 W
Output connector	Rear side
Short circuit protection	Yes

User Interface	
Status indication	LED «DC O.K.» LED «50% LOAD» LED «100% LOAD» LED «Converter Fail Alarm» LED «Fan Fail»
O/P Voltage Adjustment	Variable Resistor

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 due to technical progress

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