

Rectifier DPR 3500 +24 Volt

Description

The DPR 3500 Series is a single phase 110 amp +24 volt rectifier with outstanding power density and ideal for 2U shelf solutions. The advantages of the product are compactness, extended temperature range and wide input voltage range resulting in a cost effective solution.

Installation is simplified as all Delta rectifiers have their connectors at rear and are hot-pluggable. Fan cooling with speed control ensures near silent operation.

Main features

- Energy saving – leading edge efficiency
- Advanced energy saving functionality
- Space savings – leading edge power density
- Wide AC input voltage range
- Protection against AC over voltage
- Extended operating temperature range

Applications

DPR 3500 is used in Delta CellID and OutD systems for:

- Network base stations
- Wireless applications
- Other +24 volt DC applications



Delta rectifiers are market leaders in power density offering solutions for compact space and weight requirements. In addition to that, the highest efficiency ensures lower total energy consumption and leads to smaller environmental footprint.

With a focus on continuous improvement of total cost of ownership, Delta rectifiers combined with advanced controlling and monitoring units help reducing both CAPEX and OPEX.

Rectifier DPR 3500

Technical specifications

1. Input	
AC voltage	80 - 300 Vrms
AC frequency	50 / 60 Hz
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 2 x 30 A

2. Output	
Nominal system voltage	26.7 V
Operating voltage range	21 - 29 V
Power limitation	3190 W
Current limitation	110 A
Overvoltage protection	29.5 V
EMI (conducted)	EN 55022, class A
Load sharing	+/- 5% of load
Protection	Internal fuse

Ordering information	
DPR 3500B-24	D0117478

3. General	
Efficiency	92 %
Power density	21.8 W/in ³
Control and monitoring	PSC 3
User interface	Output current display Status indication
Dimensions (W x H x D)	82 x 86.9 x 377.9 mm 3.23 x 3.43 x 14.88 in
Weight	3.5 kg 7.7 lb
Standards	
• Safety	EN / IEC 60950 UL 60950 CAN / CSA - C22.2
• EMI (radiated)	EN 55022, class B
• Environment	RoHS compliant
Cooling	Fan cooled
Acoustics	55 dB (A)
Operating temperature	-45 to +75 °C -49 to +167 °F

Subject to change without notice.



Delta Greentech USA Corporation
2360 Campbell Creek Blvd., Suite 530
Richardson, TX 75082
Phone: 972-437-7900, Fax: 972-437-9700

www.deltaww.com

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