

# Rectifier DPR 2700

## Description

The DPR 2700 Series has now expanded with 96 %, high efficiency models. Combined with market's leading power density Delta DPR 2700 is ensuring cutting edge total energy efficiency. This rectifier is optimal for 1U solutions and provides 10.8kW in one shelf.

Installation is simplified as all Delta rectifiers have their connectors at rear and are hot-pluggable. Retrofit is easy ensuring new level efficiency.

## Main features

- OPEX & energy saving – leading efficiency 96.2 %
- Space saving – world's leading packaging of high efficiency technology – up to 10.8kW in 1U shelf
- Power density 34 W / in<sup>3</sup>
- Easy retrofit to existing DP 2700 Series installations
- Integrated AC overvoltage protection

## Applications

DPR 2700 is used in Delta CellID and OutD systems for:

- Network base stations
- Wireless applications
- Fixed line applications, data communications



*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's total cost of ownership concept covers the highest energy efficiency and power density rectifiers, advanced controlling and monitoring. Leading system level efficiency is unconditional way to reduce environmental footprint and help reducing both CAPEX and OPEX. The EnergyE rectifiers meet the new standard of energy efficiency.*

# EnergyE

# Rectifier DPR 2700

## Technical specifications

1. Input	
Mains voltage	88 - 310 Vrms
Mains frequency	50 / 60 Hz
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B <sup>*1 / *2 / *4</sup> EN 55022, class A <sup>*3</sup>
Protection	Internal fuse 25 A
AC over voltage protection	Incl. loss of neutral <sup>*1 / *3</sup>

2. Output	
Nominal system voltage	54 V
Operating voltage range	40 - 59.5 V
Power limitation	2700 W
Current limitation	56.25 A
Overvoltage protection	59.5 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse

Ordering information	
Description <sup>*1</sup>	DPR 2700C-48 / ESR-48/56B A
Description <sup>*2</sup>	DPR 2700C-48 / ESR48/56A A
Description <sup>*3</sup>	DPR 2700C-48 / ESR48/56A B
Description <sup>*4</sup>	DPR 2700B-48 / ESR48/56A F

3. General		
Efficiency	96.2 % <sup>*1</sup>	
	92.5 % <sup>*4</sup>	
	92 % <sup>*2 / *3</sup>	
Power density	34 W / in <sup>3</sup>	
Control and monitoring	CSU 5 <sup>*1 / *2 / *3</sup>	
	CSU 501 <sup>*1 / *2 / *3</sup>	
	CSU 502 <sup>*1 / *2 / *3</sup>	
	PSC 3 <sup>*4</sup>	
User interface	Status indication	
Dimensions (W x H x D)	125.5 x 41.0 x 269.9 mm	
	4.9 x 1.6 x 10.6 in	
Weight	2.0 kg / 4.4 lb	
Standards	Safety	EN / IEC 60950 UL 60950 CAN / CSA - C22.2
	EMI (radiated)	EN 55022, class B <sup>*1 / *2 / *4</sup> EN 55022, class A <sup>*3</sup>
	Environment	RoHS compliant
	Cooling	Fan cooled
Acoustics	55 dB (A)	
Operating temperature	-40 to +75 °C	
	-40 to +167 °F	

Subject to change without notice.



**Delta Energy Systems (Switzerland) AG**  
Freiburgsstrasse 251, CH-3018 Bern - Bümpliz  
Phone: +41 31 998 5311, Fax: +41 31 998 5353

[www.deltaenergysystems.com](http://www.deltaenergysystems.com)