

# Rectifier DPR 600

## Description

The DPR 600 Series is a single phase rectifier with outstanding power density. This rectifier is optimal for 1U or 2U shelf solutions. Its short depth and extended operating temperature range make it most suitable for space-critical and pole-mount applications.

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
- Space savings – leading edge power density
- Wide AC input voltage range
- Extended operating temperature range
- Very low audible noise
- 48V and 60V version

## Applications

DPR 600 is used in Delta InD 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 rectifiers combined with advanced controlling and monitoring units help reducing both CAPEX and OPEX.*

# Rectifier DPR 600

## Technical specifications

1. Input	
Mains voltage	80 - 300 Vrms
Mains frequency	50 / 60 Hz
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse 2 x 8 A
AC over voltage protection	External option

2. Output	
Nominal system voltage	53.5 V <sup>*1</sup> / 66.9 V <sup>*2</sup>
Operating voltage range	42 - 58 V <sup>*1</sup> / 52 - 72 V <sup>*2</sup>
Power limitation	600 W
Current limitation	14 A <sup>*1</sup> / 11.2 A <sup>*2</sup>
Overvoltage protection	59 V <sup>*1</sup> / 73 V <sup>*2</sup>
EMI (conducted)	EN 55022, class A
Load sharing	yes
Protection	Internal fuse

Ordering information	
Description <sup>*1</sup>	DPR 600B-48
Description <sup>*2</sup>	DPR 600B-60

3. General	
Efficiency	92 %
Power density	14 W / in <sup>3</sup>
Control and monitoring	PSC 1 PSC 3
User interface	Output current display Status indication
Dimensions (W x H x D)	40.5 x 86.4 x 231.9 mm 1.59 x 3.40 x 9.13 in
Weight	0.9 kg 2.0 lb
Standards	
• Safety	EN / IEC 60950 UL 60950 <sup>*1</sup> CAN / CSA - C22.2 <sup>*1</sup>
• EMI (radiated)	EN 55022, class B
• Environment	RoHS compliant
Cooling	Fan cooled
Acoustics	50 dB (A)
Operating temperature	-45 to +75 °C -49 to +167 °F

Subject to change without notice.



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