

DPR 6000 EnergE

Three Phase Rectifier



Descriptions

The DPR 6000-48 series is a three phase rectifier with outstanding efficiency and power density. Those unique features offer significant energy cost saving opportunities when replacing existing high power installations. The compact size allows reducing the amount of cabinets in high power applications, which save valuable space in the installations. This rectifier is optimal for installations, where the neutral connection is not available. Features include wide input voltage range and low input current distortion. These advantages help lower the cost in the AC installation.

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

Main features

- Energy saving – leading edge efficiency
- Advanced energy saving functionality
- Space saving – leading edge power density
- Space saving – up to 24 kW per shelf in 2U height
- Silent operation – very low audible noise
- Low line current distortion – power factor correction

Applications

- LTE/4G/5G
- Fixed line
- Datacom



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Technical specifications

Model **DPR 6000B-48 ID:A1**

1. Input	
Mains voltage	250 - 530 V _{RMS} 3-phase
Mains frequency	50 / 60 Hz
Power factor	>0.99
Harmonic distortion (THD)	5 %
EMI (conducted)	EN 55022, class B
Protection	Internal fuse

2. Output	
Nominal system voltage	53.5 V _{DC}
Operating voltage range	42.0 – 58.0 V _{DC}
Power limitation	6000W
Current limitation	125 A
Over voltage protection	59.0 V
EMI (conducted)	EN 55022, class A
Load sharing	Yes
Protection	Internal fuse

3. General	
Peak efficiency	96.5%
Power density	26.5 W/in ³
Communication Interface	CAN bus
User interface	Status indication
Cooling	Fan cooled
Acoustics	55 dB (A)
Dimensions (W x H x D)	129.5 x 83.0 x 380.7 mm (5.1 x 3.26 x 14.99 in)
Weight	5.2 kg (11.46 lb)
Operating temperature	-40 to +70 °C (-40 to +158 °F)
Relative humidity	95%, non-condensing (Max.)

4. Standards	
Safety	EN / IEC 60950 UL 60950 CAN / CSA - C22.2
EMI (radiated)	EN 55022, class B
Environment	RoHS compliant
Protection class	IP20 (EN 60529)

5. Ordering Information	
Part number	TPS1010006A

*All specifications are subject to change without prior notice.

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