

## Rectifier DPR 7200B – 48



Illustrative photo

### General Features

- 3 Phase, 400 / 480 V<sub>rms</sub> input
- Efficiency 92 %
- Low THD < 5 %
- Hot pluggable
- All connectors at the rear
- Fan cooled with air flow monitoring
- Wide input voltage range: 260 - 530 V<sub>rms</sub>
- Power factor ~ 1.0 (sinusoidal input current)
- Constant output power characteristic
- User friendly LCD Display
- Digital system bus
- Inbuilt intelligence
- Energy saving function
- Enhanced startup features
- Usable with control unit PSC 3

### Applications

- Telecommunication technology
- Switching centre BSC, MSC
- Data networks

### Description

The rectifier DPR 7200B-48 is a three-phase, hot-pluggable, fan-cooled rectifier. The constant output power characteristic supplies the specified power over the full output voltage range. The benefit is an optimized modular system design (less number of modules) that matches the supply requirements for state-of-the-art telecom equipment. The rectifier employs the advanced technology with inbuilt intelligence supporting energy saving and smart start up features for a safe start up e.g. for diesel generator operation.

These features as well as the wide input voltage range, and low input current distortion are the key factor of the success of this product and it offers a cost effective and reliable solution.

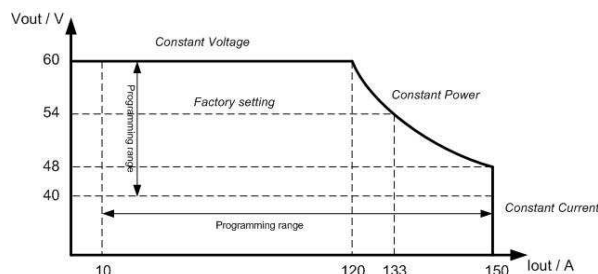
## Technical data

General	
Efficiency	90%
Losses, max.	800 W
Safety	EN EN 60 950, class I UL 60 950 CAN / CSA – C22.2
EMI, radiated	EN 55022, class B
Compliant with	EN 300386-2
Cooling	Fan cooled
Power density	4.7 W / inch <sup>3</sup>
Noise	55 dB(A)

Input	
Voltage range	260 to 530 V <sub>RMS</sub>
Inrush current	< 18 A <sub>PEAK</sub>
Maximum current	20 A <sub>RMS</sub>
Line current	IEC 1000-3-2
Harmonic distort. THD	< 5%
Power factor	~ 1.0
EMI, conducted	EN 55022, class A
Mains connector	Read side
Input protection	Internal breaker 25A
Input switch	Intergrated, front accessible

Output	
Nominal voltage	54.0 V <sub>DC</sub>
Voltage adjust range	40 to 60 V <sub>DC</sub>
Voltage regulation	± 250 mV <sub>DC</sub>
Overvoltage protection	59 ± 1 V <sub>DC</sub>
Ripple + spikes	≤ 100 mV <sub>PP</sub>
Psophometric noise	≤ 2 mV <sub>RMS</sub> (weighted)
EMI, conducted	EN 55022, class A
Current limit, nominal	150 A <sub>DC</sub>
Limit adjustment range	10 to 150 A <sub>DC</sub>
Load sharing	≤ ± 3 A <sub>DC</sub>
Power limit	7200 W
Output connector	Read side
Output protection	Internal fuse 180A

Output characteristics:



User Interface	
LCD display	DC output V <sub>out</sub> / I <sub>out</sub> / P <sub>out</sub> Temperature AC input voltage Status details
Keypad	3 buttons
Status indication	LED «AC ON» LED «Alarm»

Mechanics	
Width, overall	483 mm / 19 inch
Height, overall	131 mm / 5.2 inch (3 U)
Depth, overall	484 mm / 19.1 inch
Weight	22 kg / 48.8 lb

Environment	
Operating temperature	-5 to +55°C / +23 to 131°F
Power derating	> 55°C / 131°F
Relative humidity	95% max. Non cond.

Accessories	
Backplane	
Blank panel	

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