



600-800W 48V Rectifier

Mighty. Small.

0.8kW
MAX

48V
OUT

Efficient and reliable, these modular rack-mount rectifiers allow for easy paralleling of modules to provide redundancy or higher power outputs. Designed for use in modern telecommunications networks, these rectifiers offer unrivalled power densities.

The unique design allows for mounting of up to three modules, a controller and DC distribution all in our 1U x 19" rack MPS 800 microCOMPACT system.

'Plug and play' installation allows quick and easy installation and system expansion. These robust, reliable rectifiers are forced-air cooled by a speed controlled and monitored high-reliability fan.

Modules are New Zealand-made to guarantee design, manufacture and process integrity. Our robust, proven conversion topology utilizes only highest specification components – something rarely offered by others.

KEY FEATURES

- Forced-air cooled
- Thermally protected
- Power factor corrected
- Input/output voltage and current protected
- Serial alarm and control interface
- Microprocessor controlled



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Specifications

AC INPUT	SM 800	SM 600
Nominal Input Voltage:	230V AC	110V AC
Input Voltage Range:	90–300V AC (reduced power below 175V AC)	90–300V AC (reduced above 275V AC)
Power Factor:	>0.99	
Peak Efficiency:	93.0%	92.5%
DC OUTPUT		
Nominal Output Voltage:	48V DC	
Output Voltage Range:	43–60V DC	
Maximum Output Current:	16.6A	12.5A
Maximum Output Power:	800W	600W
ENVIRONMENTAL REQUIREMENTS		
Ambient Temperature:	-20°C to +75°C (maximum output power is derated above 55°C)	-20°C to +70°C (maximum output power is derated above 60°C)
MECHANICAL		
Dimensions (W, H, D):	55.0mm, 44.45mm (1U), 260.0mm (rack depth 245.0mm)	
Weight:	635g	
Cooling:	Forced-air cooled (front to back airflow)	
COMPLIANCES		
Safety:	EN60950	
Immunity:	CISPR24	
Emissions:	CISPR22	
AC Harmonics:	EN61000-3-2	
AC Flicker and Fluctuation:	EN61000-3-3	
Other:	CE & RoHS compliant	



Contact us for datasheets and characterization details. Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.



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