



2kW XE Rectifier RM2048XE

High-Performance Hardware

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 RM2048XE is able to be configured horizontally or vertically to provide up to 8.0kW in a 1RU 19" shelf or, alternatively, 24.0kW in a 3RU shelf. Modules are scalable to a maximum output of 336.0kW.

There 'plug and play' ability 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



2.0kW
MAX

48V
OUT



GREEN
ENERGY

Specifications

AC INPUT

Nominal Input Voltage:	230V AC
Input Voltage Range:	90–300V AC (reduced power below 175V AC)
Power Factor:	>0.99
Peak Efficiency:	>94.0%

DC OUTPUT

Nominal Output Voltage:	48V DC
Output Voltage Range:	43-58V DC
Maximum Output Current:	41.7A
Maximum Output Power:	2.0kW

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature:	-20°C to +70°C (maximum output power is derated above 55°C)
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MECHANICAL

Dimensions (W, H, D):	111.5mm, 44.45mm (1U), 282.0mm overall (rack depth 260.0mm)
Weight:	1.50kg
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 Enatel 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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