

RM3048HE

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MODULAR RECTIFIER



Avoid performance compromises, secure the industries best.

With an efficiency >96%, the RM3048HE High Efficiency Rectifier Module provides considerable energy savings and ROI benefits.

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

Designed for use in modern telecommunications networks, the RM3048HE offers unrivalled reliability and a power density that maximises the effective use of rack space.

These Compact Series rectifiers are able to be configured horizontally or vertically to provide up to 12.0kW in a 1RU 19" shelf or alternatively, 36.0kW in a 3RU shelf. Modules are scalable to deliver large systems of >10,000A.

An expansive portfolio of Compact systems provides a wide variety of power, voltage and distribution configurations. This ensures solutions are highly flexible, so they can be tailored to effectively meet any range of communications applications.

KEY FEATURES

- Highest efficiency conversion reduces heat and energy losses by over 50%
- Lowers OPEX by up to 80%
- "Hot plug/swap" modular architecture for quick and easy system integration/ expansion
- Force air cooled by a temperature controlled, high reliability and monitored fan

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SPECIFICATIONS

RM3048HE

3.0kW 48V DC



AC INPUT

Nominal Input Voltage:	230V AC
Input Voltage Range:	85-300V (190-275V AC not derating output power)
Power Factor:	>0.99
Peak Efficiency:	96.3%

DC OUTPUT

Nominal Output Voltage:	48V DC
Output Voltage Range:	43-60V DC
Maximum Output Current:	60.0A

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature:	-20°C to +70°C (maximum output power is derated above 45°C)
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MECHANICAL

Dimensions W, H, D:	111.5mm, 44.0mm (1U), 282.0mm overall (rack depth 260.0mm)
Weight:	1.50kg
Cooling:	Force 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 characterisation 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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