

2/3kW HE Rectifier

UNRIVALLED POWER DENSITY

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RECTIFIERS

PRODUCT SHEET

POWER
OUTPUTS

MAX
OUTPUT
3.0kW

DC OUT
48V

KEY FEATURES

- High-efficiency conversion reduces heat and energy losses by over 50%
- 'Hot plug/swap' modular architecture for quick and easy system integration/expansion
- Forced-air cooled by a temperature controlled, high-reliability, monitored fan



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 utilizes only the highest specification components – something rarely offered by others.

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

These COMPACT Series rectifiers can 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 up to 10,000A.

Our 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 any communications applications.

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Specifications

AC INPUT RATINGS	RM3048HE	RM2048HE
MODEL:	RM3048HE	RM2048HE
NOMINAL VOLTAGE:	230V	
INPUT VOLTAGE RANGE:	85–300V (reduced power below 185V AC)	85–300V (reduced power below 175V AC)
POWER FACTOR:	>0.99	

DC OUTPUT RATINGS	RM3048HE	RM2048HE
NOMINAL VOLTAGE:	48V	
VOLTAGE RANGE:	43-60V	
MAXIMUM OUTPUT CURRENT:	60.0A	41.7A
MAXIMUM OUTPUT POWER:	3.0kW	2.0kW

ENVIRONMENTAL REQUIREMENTS		
AMBIENT TEMPERATURE:	-20°C to 70°C [-4°F to 158°F] (maximum output power is derated above 45°C [113°F])	-20°C to 70°C [-4°F to 158°F] (maximum output power is derated above 55°C [131°F])

MECHANICAL	
DIMENSIONS:	W: 111.5 mm [4.39 in]
	H: 44.0 mm [1.73 in] (1U)
	D: 282.0 mm [11.1 in] overall (rack depth 260.0 mm [10.24 in])
WEIGHT:	1.50kg [3.31 lb]
COOLING:	Forced-air cooled (front to back airflow)

COMPLIANCES	
SAFETY:	EN 60950-1
IMMUNITY:	CISPR24
EMISSIONS:	CISPR22
AC HARMONICS:	EN 61000-3-2
AC FLICKER AND REDUCTION:	EN 61000-3-3
OTHER:	CE & RoHS Compliant

Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.