



Telecommunications



Data centers



Industries



Renewable

3KW HE RECTIFIER RECENARMHE SERIES

enATEL
energy



DESCRIPTION

With an efficiency >96%, the RECENARMHE series 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.

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.

3KW HE RECTIFIER

RECENARMHE SERIES



SPECIFICATIONS

	RECENARM3048HE
AC INPUT RATINGS	
Nominal Voltage	230V
Input Voltage Range	85–300V (reduced power below 185V AC)
Power Factor	>0.99
DC OUTPUT RATINGS	
Nominal Voltage	48V
Voltage Range	43-60V
Maximum Output Current	60.0A
Maximum Output Power	3.0kW
ENVIRONMENTAL REQUIREMENTS	
Ambient Temperature	-20°C to 70°C [-4°F to 158°F] (maximum output power is derated above 45°C [113°F])
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 Fluctuation	EN 61000-3-3
Other	CE & RoHS Compliant