



Telecommunications



Data centers



Industries



Renewable

860W 48V RECTIFIER

RECENARM848HE SERIES

enATEL
energy



DESCRIPTION

If power density, efficiency and reliability are required, the RM848HE rectifier is just right for the job.

The building block of the microCOMPACT series, this modular rack-mounted rectifier boasts integrated AC metering, a robust universal AC input, high efficiency and a quality high power DC output. And it's fully backwards compatible, making the expansion or updating of installed microCOMPACTs completely seamless.

But it's tough too. Built to exacting New Zealand manufacturing and process integrity standards, the RM848HE maximises reliability based on a proven conversion topology that uses only the highest specification components. Designed to meet the energy demands of ICT applications and growing telecommunications networks, where it can offer unrivalled power densities and exibility, it's been built to last.

This rectifier allows for the mounting of up to three power modules, a smart controller and DC distribution all in a 1RU x 19" front connect system supporting ETSI 300 deep enclosures, while its 'plug and play' design means installation and performance are unsurpassed.

KEY FEATURES

- High Efficiency energy saving
- Universal AC input with metering
- Forced-air cooled.
- Thermally protected
- Power factor corrected
- Input/output voltage and current protected

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SPECIFICATIONS

	RM848HE 110V	RM848HE 230V
AC INPUT RATINGS		
Nominal Voltage	110V AC	230V AC
Input Voltage Range	85-300V AC (reduced power below 180V AC)	
Power Factor	>0.99	
DC OUTPUT RATINGS		
Nominal Voltage	48V	
Voltage Range	43-60V	
Maximum Output Current	12.5A	17.9A
Power Rating	600W	860W
ENVIRONMENTAL REQUIREMENTS		
Ambient Temperature	-20°C to 75°C [-4°F to 167°F] (maximum output power is derated above 55°C [131°F])	
MECHANICAL		
Dimensions	W: 55.0 mm [2.17 in] H: 44.45 mm [1.75 in] (1U) D:260.0 mm [10.24 in] overall (rack depth 245.0 mm [9.65 in])	
Weight	635 g [1.4 lb]	
Cooling	Forced-air cooled (front to back airflow)	
COMPLIANCES		
Safety	EN 62368-1	
Immunity	CISPR24	
Emissions	CISPR32	
Ac Harmonics	EN 61000-3-2	
Ac Flicker And Fluctuation	EN 61000-3-3	
Other	CE & RoHS Compliant	