

enatel

860W 48V Rectifier



RM848HE 110/230V

RECTIFIER


DC OUT
48V

MAX OUTPUT
860W

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
- UL/cUL compliant



Small & Powerful

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 flexibility, 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.

RM848HE Specifications



ELECTRICAL	RM848HE 110V	RM848HE 230V
AC INPUT RATINGS		
NOMINAL VOLTAGE:	110V AC	230V AC
INPUT VOLTAGE RANGE:	85-175V AC (reduced power below 100V AC)	85-300V AC (reduced power below 175V AC)
POWER FACTOR:	>0.99	
PEAK EFFICIENCY:	93.0%	94.6%
DC OUTPUT RATINGS		
NOMINAL VOLTAGE:	48V DC	
VOLTAGE RANGE:	43-60V	
MAXIMUM OUTPUT CURRENT:	12.5A	17.9A
OUTPUT POWER:	600W	860W
ENVIRONMENTAL REQUIREMENTS		
AMBIENT TEMPERATURE:	-20°C to 75°C [-4°F to 167°F] (maximum output power is derated above 45°C [113°F])	
COMPLIANCES		
SAFETY:	UL/cUL IEC 62368-1	
IMMUNITY:*	EN55035	
EMISSIONS:*	EN55032	
AC HARMONICS:*	EN 61000-3-2	
AC FLICKER AND FLUCTUATION:*	EN 61000-3-3	
OTHER:	UL/cUL CE & RoHS Compliant	
* Based on the EMC compliance of the host system (MicroCompact PSX120 & PSX130)		
MECHANICAL		
DIMENSIONS:	WIDTH:	55.0 mm [2.17 in]
	HEIGHT:	44.45 mm [1.75 in] (1U)
	DEEP:	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)	

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