



860W 48V Rectifier

The power behind the microCOMPACT

If power density, efficiency and reliability are required, the **SM 860** rectifier is just right for the job.

The building block of the microCOMPACT system, 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 **SM 860** 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.

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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**0.86kW
MAX**

**48V
OUT**

AC INPUT

Nominal Input Voltage:	230V AC
Input Voltage Range:	90-300V AC (reduced power below 180V AC)
Power Factor:	> 0.99
Peak Efficiency:	>95.0% (>94.5% @ >40% output power)

SM 860

DC OUTPUT

Nominal Output Voltage:	48V DC
Output Voltage Range:	43-60V DC
Maximum Output Current:	17.9A
Maximum Output Power:	860W

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature:	-20°C to +75 °C (maximum output power is derated above 55 °C)
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MECHANICAL

Dimensions (W, H, D):	55.0mm, 44.45mm (1U), 260.0mm (rack depth 245.0mm)
Weight:	635g
Cooling:	Forced-air cooled (front to back airflow)

COMPLIANCES

Safety:	EN60950
Immunity:	CISPR24
Emissions:	CISPR22 Class B
AC Harmonics:	EN61000-3-2
AC Flicker and Fluctuation:	EN6100-3-3
Other:	CE & RoHS compliant



Contact us for datasheets and characterization details. Due to product development specifications are subject to change without prior notice. Pictures may be representative; actual products may differ.