



RM648HE Rectifiers

If power density, efficiency and reliability are required, the RM648HE rectifiers is just right for the job. The building block of the Sentinel DC Power System, this modular rack-mounted rectifier boasts integrated AC metering, a robust universal AC input, high efficiency and a quality high power DC output.

Designed to meet the energy demands of ICT applications and growing telecommunications networks, where it can offer unrivaled power densities and flexibility, it's been built to last. These rectifier modules are hot-swappable for quick and easy deployment, minimizing installation time and maximizing uptime with a one-year warranty.

Trust the Sentinel for reliable and dependable DC power making it **The Powerful Difference.**

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

ELECTRICAL	110V Mode	230V Mode
AC INPUT RATINGS		
NOMINAL VOLTAGE:	110VAC	230VAC
INPUT VOLTAGE RANGE:	85-175VAC (reduced below 100VAC)	85-300VAC (reduced below 175VAC)
POWER FACTOR:	>93.0%	>95.0%
PEAK EFFICIENCY:		
DC OUPUT RATINGS		
NOMINAL VOLTAGE:	48VDC	
VOLTAGE RANGE:	43-60VDC	
MAXIMUM OUPUT CURRENT:	12.5A	17.9A
OUTPUT POWER:	600W	860W
ENVIRONMENTAL REQUIREMENTS		
AMBIENT TEMPERATURE	-20°C TO 75°C [-4°F TO 167°F] (max. output power derated above 45°C[113°F])	
MECHANICAL		
3" x 1.5" x 1.5" (76.2mm x 38.1mm x 38.1mm)		
Weight: 0.5 lbs (226.8g)		
Mounting: Rack-mountable (1U)		
Input/Output: AC input on top, DC output on bottom		
Safety: Class II, Type B, UL 1471, IEC 60950-1, IEC 60742, IEC 60384-14		