

# RW Series Wall-Mount Rectifier

CONVECTION-COOLED

PRODUCT SHEET

**POWER OUTPUTS**

MAX OUTPUT  
0.7kW

DC OUT  
12V

DC OUT  
24V

DC OUT  
48V

## KEY FEATURES

- Convection-cooled
- Thermally protected
- Power factor corrected
- Input/output voltage and current protected
- Automatic float/boost charge cycle
- Alarm and control interface with active load sharing
- Temperature compensation
- Output current indicator
- Built-in low voltage disconnect
- Internal alarm card with relay outputs



These highly efficient rectifiers offer a range of output voltages and power levels.

New Zealand-made to guarantee design, manufacture and process integrity, our robust proven conversion topology utilizes only the highest specification components, ensuring unparalleled reliability benefits.

Compact and easy to install, the RW Series of robust, reliable rectifiers are convection-cooled and available with temperature compensation, internal low voltage disconnect (LVD) and an alarm card with relay outputs.

They can be used as standalone power sources or can be operated in parallel to provide redundancy or higher output ratings.

Choose from a range of internal options including load disconnect, current indicators, alarm and control interface and auto float/boost. Custom configurations can be specified and additional features can be added.

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## Specifications

AC INPUT RATINGS	RW748U	RW624U-22	RW624U-21	RW517U	RW512U
NOMINAL VOLTAGE:	110-240V AC, 50/60Hz				
VOLTAGE RANGE:	90-275V AC (reduced power below 100V AC)				
PEAK EFFICIENCY:	88%	87%	87%	85%	85%
MAXIMUM INPUT CURRENT:	8.5A	8.5A	8.5A	8.5A	8.5A

DC OUTPUT RATINGS	RW748U	RW624U-22	RW624U-21	RW517U	RW512U
NOMINAL VOLTAGE:	48V	24V	24V	17V	12V
VOLTAGE RANGE:	45-60V	22-30V	22-30V	13-17.6V	11.5-15V
MAXIMUM OUTPUT CURRENT:	12A	21A* (9.4 Min. Current Limit)	22A* (14.5 Min. Current Limit)	26A	35A
MAXIMUM OUTPUT POWER:	700W	600W	600W	500W	500W

\*+/- 5%

ENVIRONMENTAL REQUIREMENTS	
AMBIENT TEMPERATURE:	-10°C to 50°C [14°F to 122°F]

MECHANICAL	
DIMENSIONS:	W: 311.0 mm [12.24 in]
	H: 163.0 mm [6.41 in]
	D: 62.0 mm [2.44 in]
WEIGHT:	1.50 kg [3.30 lb]
COOLING:	Natural convection

COMPLIANCES	
SAFETY:	EN 60950-1
IMMUNITY:	CISPR24
EMISSIONS:	CISPR22
AC HARMONICS:	EN 61000-3-2
AC FLICKER AND REDUCTION:	EN 61000-3-3
OTHER:	CE & RoHS Compliant

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