

RW Series Wall-Mount Rectifier

CONVECTION-COOLED

PRODUCT SHEET

POWER OUTPUTS

MAX OUTPUT 0.7kW

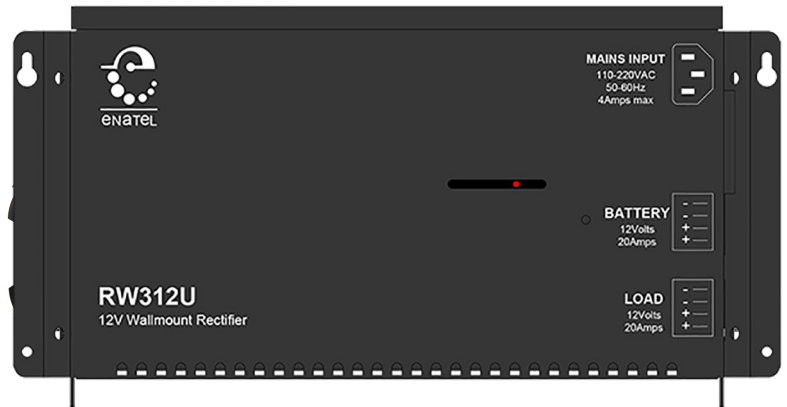
DC OUT 12V

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 wall-mount 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	RW512U	RW348U	RW324U	RW312U
NOMINAL VOLTAGE:	110–220V AC, 50/60Hz					
VOLTAGE RANGE:	90–275V AC (reduced power below 100V AC)					
POWER FACTOR:	>0.99					
PEAK EFFICIENCY:	88%	87%	85%	88%	87%	85%
MAXIMUM INPUT CURRENT:	8.5A	8.5A	8.5A	4.0A	4.0A	4.0A

DC OUTPUT RATINGS	RW748U	RW624U	RW512U	RW348U	RW324U	RW312U
NOMINAL VOLTAGE:	48V	24V	12V	48V	24V	12V
VOLTAGE RANGE:	45–60V	22–30V	11.5–15V	45–60V	22–30V	11.5–15V
MAXIMUM OUTPUT CURRENT:	12.0A	22.0A	35.0A	6.0A	10.A	20.0A
MAXIMUM OUTPUT POWER:	700W	600W	500W	300W	300W	300W

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.