

RW SERIES 300-700W WALL MOUNT RECTIFIERS



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

Easy to install and compact, these robust, reliable rectifiers are convection cooled and are available with temperature compensation, internal low voltage disconnect (LVD) and 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.

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

- **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.**



enatel.net
smart | power | design

RW SERIES 300-700W WALL MOUNT RECTIFIERS



AC INPUT		RW748U	RW624U	RW512U	RW348U	RW324U	RW312U
Nominal Input Voltage:		110/220V AC, 50/60Hz					
Input Voltage Range:		100-275V AC (reduced below 100V AC)					
Frequency Range:		45-65Hz					
Power Factor:		>0.99					
Efficiency:		88%	87%	85%	88%	87%	85%
Maximum Input Current:		8.5A	8.5A	8.5A	4.0A	4.0A	4.0A
Input Fuses:		HRC fuses in phase and neutral					
Input Protection:		Auto shutdown, auto restart when correct voltage restored					
Input Voltage: Input Inrush:		<2x maximum input current					

DC OUTPUT		RW748U	RW624U	RW512U	RW348U	RW324U	RW312U
Nominal Output Voltage:		48V DC	24V DC	12V DC	48V DC	24V DC	12V DC
Output Voltage Range:		45-60V DC	22-30V DC	11.5-15V DC	45-60V DC	22-30V DC	11.5-15V DC
Maximum Output Current:		12.0A	22.0A	35.0A	6.0A	10.0A	20.0A
Regulation:		±0.1%					
Line:		±0.5% (no load to full load)					
Load:		±0.5% (no load to full load)					
Hold-up Time:		>15ms for 20% output voltage drop					
Start-up Time:		2 seconds depending on load and output voltage					
Walk-in Delay:		2 seconds depending on load and output voltage					
Protection:		Adjustable to 50-100% of maximum rated current					
Current Limit:		Auto current turndown, backup shutdown					
Over Temperature:		Output fuse in positive with crowbar diode					
Polarity Reversal:		Adjustable limit					
Over Voltage:		Adjustable limit					
Noise:		Ripple <100Hz: <10mV rms unweighted					
Peak to Peak 0-20MHz:		<50mV peak to peak					
Isolation:		Input to Output: 3000V DC					
Input to Chassis:		2500V DC (VDR to chassis removed)					
Output to Chassis:		1500V DC					

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature:	-10°C to +50°C
Storage Temperature:	-30°C to +85°C
Humidity:	5-95% RH (non condensing)
Altitude:	<2,500m at full power



MECHANICAL

Dimensions W, H, D:	311.0mm, 163.0mm, 62.0mm
Weight:	1.50kg
Shipping Dimensions W, H, D:	377.0mm, 235.0mm, 122.0mm
Shipping Weight:	2.40kg
Cooling:	Convection cooled

COMPLIANCES

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



enatel.net
smart | power | design