

## Power It Rectifier R4860F

The Addrax R4860F Rectifier is high capacity rectifier optimized for communications network operators who are striving to cut energy costs across the network, and/or to meet aggressive carbon footprint reduction targets.

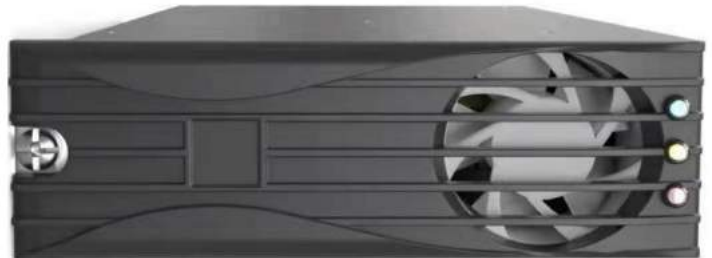
Operating with almost 97% efficiency, it produces at least 50% less waste energy than most other modern rectifiers, and with potentially greater savings over older infrastructure.

This rectifier features intelligent digital signal processing for enhanced control, producing peak efficiency close to 97% for typical operating loads, while also maintaining a very high minimum operating efficiency of 95 to 96%, over a very wide range of loads. The high power density, short depth and flexible mounting options makes this Rectifier well suited to limited space applications such as ETSI and road side cabinets.

It is one of the easiest rectifiers to use, with a simple plug-and-go insertion. It operates under a wide range of AC power conditions and in temperatures at up to 70°C.

### Features :

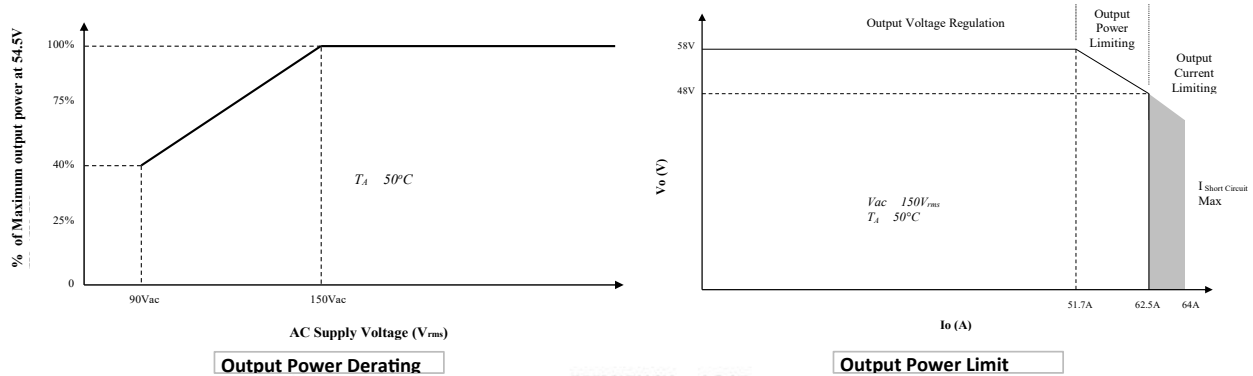
- 3000W output power
- Energy saving efficiency greater than 96.9%
- Wide efficiency curve
- Industry leading power density
- Fast on-line expansion of rectifiers (hot-swap)
- Simple 'plug and go' insert
- Unity power factor
- Digital signal processing for enhanced control
- Wide AC supply conditions
- Wide output voltage range
- Constant power output
- Same Form-factor as R4840F (2000W) Rectifier. Can be fitted into same Rectifier rack
- Comply with international standards



## Technical Parameter :

Model		R4860F
INPUT	AC Input	120V/208-240V, 50/60Hz (nominal) 90-275V full power up to 50°C 90-150V @ < 50°C reduced output power
	Efficiency	>96.9% peak >95% (20-100% output power)
	Power factor	>0.99 (50-100% output current)
OUTPUT	Output Voltage	42~58VDC, Rated Voltage: 53.5VDC
	Output power	3000W, 62.5A @ 48V
Controller Compatibility	System Controller	PC100
Environmental	Operation temperature	-40°C ~ +70°C (Output power derates above 50°C)
	Storage temperature	-40°C ~ +70°C
	Altitude	0-4000m (the derating at high temperature will be reduced by 1 °C for every 200m increase during 2000m-4000m)
	Humidity	5~95%, non-condensing
Mechanical	Dimension (W× D×H)	132mm, 42mm, 265mm overall Nominal 3U x 1U x 265mm
	Weight	1.7 kg
	Thermal dissipation	Fan cooling
	Protection Level	IP20
Certifications	Europe	CE

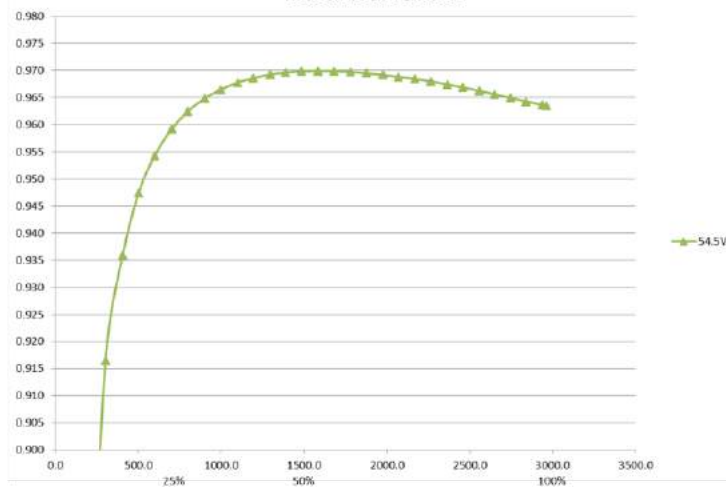
## Performance Curves



Output Power Derating

EFFICIENCY vs LOAD

Output Power Limit



In the interests of continual product improvement all specifications are subject to change without notice. Performance ratings are valid with all other variables at Nominal.

