



1U Ultra Compact System

1-4K WATTS COMMUNICATIONS

FEATURES

- Ultra compact designed
- World leading power density
- Fully featured telecom grade rectifiers
- Network monitoring available
- Redundancy N+1 operation
- Full remote monitoring, SM32 supervisory module
- Easily customized and configured
- -48V standard systems
- 24V systems available upon request



SPECIFICATIONS

INPUT	
AC input	240V AC (90-300V) Single phase
Frequency range	45-66 Hz
Power factor	>0.99 full load
Termination	Single phase, 6 or 10mm ² * L, N, E tunnel terminals
DC OUTPUT	
Nominal voltage	-48V (+48V or +24V optional)*
Rated system output power	4k Watts @ -48V 2k Watts @ 24V
Polarity	Positive earth, (negative earth option available)*
DC DISTRIBUTION	
Load	Standard Shelf configuration. (Customized configuration available)*
Battery	Standard Shelf configuration (Customized configuration available)*
Breaker fail detection	Electronic fail detection on both load and battery breakers

Load	Tunnel terminals 10 mm ²
Battery	Tunnel terminals 10 mm ²
Low voltage disconnect	See Shelf configuration

MONITORING & CONTROL	
	System monitoring via the SM32 supervisory module. Standard features include full temperature compensation, automated and manual battery testing/equalization, 6x general purpose inputs and 6x voltage-free relay alarm outputs. For further details refer to SM32 series.

MECHANICAL	
Dimensions, W, H, D	482.6mm (standard 19" module), 44.45mm (1U)
Weight	5kg (excluding rectifier modules)

*Shelf type dependant consult Powerbox office for details. Suitable for RM1860, 2048, 2048/24 rectifier module.

	MAX NO OF RECTIFIERS	MAX SHELF POWER	STANDARD DC DISTRIBUTION
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2

4kW @ - 48V
2kW @ 24V

1 x 63A load MCB
1 x 63A battery MCB
80A battery LVD



2

4kW @ - 48V
2kW @ 24V

3 x 20A MCB
2 x 30A battery MCB
80A battery LVD LVD