

3U Compact System

1-8K WATTS 48V DC COMMUNICATIONS

FEATURES

- 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 on request



SPECIFICATIONS

INPUT	
AC input	240V AC (90-300V) Single phase or 415V AC Three phase
Frequency range	45-66 Hz
Power factor	>0.99 full load
Termination	Single phase, 6-16mm ² L, N, E tunnel terminals* Three phase, 10 mm ² L1,L2,L3,N,E terminals * (Single phase by linking line terminals)
DC OUTPUT	
Nominal voltage	-48V (+48V or +24V optional)*
Rated system output power	6 - 8k Watts @ -48V (refer to table) 3-4k Watt @ 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

DC terminals	Rear Connect DIN Rail
Load	Tunnel terminals 6 mm ² to 16mm ² *
Battery	Tunnel terminals 35mm ² *

Low voltage disconnect See Standard Shelf configuration.

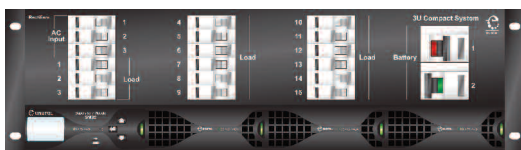
MONITORING & CONTROL	
	System monitoring via the SM32 supervisory module. Standard features include full temperature compensation, automated and manual battery testing/equalization, 6x general purpose inputs and 6x voltage-free relay alarm outputs. For further details refer to SM32 series.

MECHANICAL	
Dimensions, W, H, D	482.6mm (standard 19" module), 133.3mm (3U), 350mm (390mm with cable strain relief).
Weight	11kg to 11.5kg (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



3 6kW @ - 48V
3kW @ - 24V 4 x 10A, 4 x 20A, 4 x 32A load MCB
2 x 100A battery MCB
125A battery LVD



3 6kW @ - 48V
3kW @ - 24V 5 x 10A, 4 x 20A, 4 x 32A load MCB
2 x 100A battery
125A battery LVD



4 8kW @ - 48V
4kW @ - 24V 2 x 10A, 2 x 20A, 4 x 32A load MCB
2 x 100A battery MCB
150A battery LVD