



microCOMPACT Power System

Small and Powerful

2.4kW MAX 48V OUT

Enatel's microCOMPACT power systems range in power output from 1.6kW to 2.4kW and have a maximum output current of 50A. They are the ideal solution to meet the requirements of telecommunications applications such as access nodes, DAS requirements and micro/pico base stations. The microCOMPACT range was designed with the installer in mind, giving true front-connect for DC outputs and pull-out tray monitor for ease of alarm-cabling installation.

Utilizing Enatel's intelligent controllers and modular rectifiers, our standalone 1U microCOMPACT DC power systems have been designed to be easily installed in any standard 19" rack or ETSI 515mm/300mm deep rack and can be configured to meet the individual requirements of each customer.

Smart rectifier design allows the RM648/RM848 rectifiers to measure and report AC input voltage to the system supervisory module without the need for additional hardware.

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.

KEY FEATURES

- Micro compact size means more room for revenue-generating equipment
- World-leading power density
- Modular telecom-grade rectifiers
- Front access 19"/515mm ETSI design for ease of installation
- High-reliability means less cost of maintenance
- Full remote monitoring available means less site visits and less cost
- Easily customized and configured to suit each customer's individual needs
- AC voltage measurement



Specifications

ELECTRICAL	PSX16 V2	PSX24 V2	PSX24 V3
AC Input:		Single phase (refer to rectifier spec for full details)	
Termination:		2.5mm ² 3core cable	
DC Output	Nominal Voltage: 48V DC Max Output Power: 1.6kW Polarity: Positive earth		48V DC 2.4kW Positive earth
DC Distribution:	6x load circuit breakers (6–30A) 2x battery circuit breakers (max 30A)	4x load circuit breakers (6–30A) 2x battery circuit breakers (max 30A)	6x load GMT fuses (1–15A) 2x battery GMT fuses (2x parallel pairs, 1–30A)
Breaker Fail Detection:		Electronic fail detection	
DC Terminals:	Loads:	6mm ² push-in spring cage	
Front Connected:	Battery:	50A power-pole plug-in connectors	
LVD:		80A magnetically latching battery LVD	

MONITORING AND CONTROL (See SM35/SM36 datasheets)

ENVIRONMENTAL REQUIREMENTS			
Ambient Temperature:	-20°C to +70°C (maximum output power is derated above +50°C)		
MECHANICAL			
Dimensions (W, H, D):	482.6mm (19" mount), 44.45mm (1U), 285.0mm		
Weight:	5.0kg (excluding rectifier modules)		
COMPLIANCES			
Safety:	EN60950		
Other:	CE & RoHS compliant		
PART NUMBERS			
PSX16 V2:	MicroCOMPACT; 2x modular rectifiers, 6x load 2x battery MCBs, SM36 supervisory module		
PSX24 V2:	MicroCOMPACT; 3x modular rectifiers, 4x load 2x battery MCBs, SM36 supervisory module		
PSX24 V3:	MicroCOMPACT; 3x modular rectifiers, 6x load 2x battery fuses, SM36 supervisory module		
CONFIGURATION OPTIONS			
Rectifiers:	RM648: 600W modular rectifier, 110V AC input, 48V DC output, 12.5A maximum output current RM848: 800W modular rectifier, 230V AC input, 48V DC output, 16.6A maximum output current		
Supervisory Modules:	SM35: standard monitor featuring full temperature compensation, automated and manual battery testing/equalisation SM36: enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalisation with TCP/IP		
ACA-BC08P2:	2m, 8mm ² Ø battery cable kit (other lengths available to special order)		
ARBP-0M:	Metal rectifier blanking panel		



Contact Power On Australia for datasheets and characterization details. Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.



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