



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



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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		48V DC
Max Output Power:	1.6kW		2.4kW
Polarity:	Positive earth		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)
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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 Enatel 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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