

MicroCOMPACT - DC Power System

SMALL AND POWERFUL

PRODUCT SHEET

POWER
OUTPUTS

MAX
OUTPUT
2.58kW

DC OUT
48V

KEY FEATURES

- Micro compact size means more room for your equipment
- World leading power-density
- Modular telecom-grade rectifiers
- Front access 19"/515 mm ETSI design for ease of installation
- Higher reliability reduces OPEX
- Full remote monitoring available means less site visits, reduced cost
- Easily customised and configured to suit each customer's needs
- AC voltage measurement



PSX13



PSX12

Enatel's microCOMPACT power systems range in power output from 1.72kW to 2.58kW and have a maximum output current of 53.7A. 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 515 mm/300 mm deep rack and can be configured to meet the individual requirements of each customer.

Smart rectifier design allows the RM848HE 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.



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Specifications

ELECTRICAL		PSX12	PSX13
AC INPUT:	Single phase (refer to rectifier spec for full details)		
TERMINATION:	2.5mm ² 3core cable		
DC OUTPUT RATINGS:	PSX12	PSX13	
NOMINAL VOLTAGE:	48V	48V	
MAXIMUM OUTPUT POWER:	1.72kW	2.58kW	
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)	
BREAKER FAIL DETECTION:	Electronic fail detection		
DC TERMINALS (FRONT CONNECTED)	LOAD:	6mm ² push-in spring cage	
	BATTERY:	50A power-pole plug-in connectors	
LVD:	80A magnetically latching battery LVD		

ENVIRONMENTAL REQUIREMENTS

AMBIENT TEMPERATURE: -20°C to 70°C [-4°F to 158°F] (maximum output power is derated above 45°C [113°F])

COMPLIANCES

SAFETY:	EN 60950-1
OTHER:	CE & RoHS Compliant

MECHANICAL

DIMENSIONS:	W: 482.6 mm [19" mount]
	H: 44.45 mm [1.75 in] (1U)
	D: 285.0mm [11.22 in]
WEIGHT:	5.0 kg [11.02 lb] (excluding rectifier modules)

MONITORING AND CONTROL (See SM36/EM4X product sheets)

CONFIGURATION OPTIONS

RECTIFIERS:	RM848HE: 600W modular rectifier, 110V AC input, 48V DC output, 12.5A maximum output current, OR 860W modular rectifier, 230V AC input, 48V DC output, 17.9A maximum output current
ENERGY MANAGER:	SM36: enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalisation with TCP/IP EM4x: advanced controller with phase balancing, peak shaving, lithium battery management, enhanced logic input and reporting.
ACA-BC08P2:	2m, 8mm ² Ø battery cable kit (other lengths available to special order)
ARBP-0M:	Metal rectifier blanking panel

Due to product development, specifications are subject to change without prior notice. Pictures may be representative: actual products may differ.