


MicroCompact DC Power System



PSX12/PSX13

DC POWER SYSTEM


DC OUT
48V

MAX OUTPUT
2.58kW

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
- Globally Compliant

Small and Powerful

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

New Zealand design to guarantee manufactured quality and process integrity. Our robust, proven conversion topology utilizes only the highest specification components, ensuring unparalleled reliability benefits.



PSX12/PSX13 Specifications



PSX12



PSX13

ELECTRICAL		PSX12	PSX13
AC INPUT:		120V AC nominal 10.8A max.	120V AC nominal 16A max.
		230V AC nominal 8.0A max.	230V AC nominal 11.9A max.
TERMINATION:		2.5mm ² 3core cable, fitted with inline IEC320 plug	
DC OUTPUT RATINGS			
NOMINAL VOLTAGE:		48V DC (Max <60V DC)	
MAXIMUM OUTPUT POWER:		1.72kW	2.58kW
POLARITY:		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 <small>(FRONT CONNECTED)</small>	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 60°C [-4°F to 140°F] (maximum output power is derated above 45°C [113°F]) and shuts down at 60°C [140°F]	
COMPLIANCES			
SAFETY:		UL / cUL / CB / IEC 62368-1	
OTHER:		CE / RoHS / REACH Compliant / FCC 47 CFR Part 15 / ICES-003 Issue 7	
MECHANICAL			
DIMENSIONS:	WIDTH:	482.6 mm [19" mount]	
	HEIGHT:	44.45 mm [1.75 in] (1U)	
	DEPTH:	285.0mm [11.22 in]	
WEIGHT:		5.0 kg [11.02 lb] (excluding rectifier modules)	
CONFIGURATION OPTIONS			
RECTIFIERS:	RM848HE:	600W modular rectifier, 120V 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:	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.