



Telecommunications



Data centers



Industries



Renewable

ULTRACOMPACT - DC POWER SYSTEM PWSENAPSC SERIES

enatel
energy



PSC12 V1



PSC23 V2



PSC24 V2

DESCRIPTION

Enatel DC power systems are the ideal solutions for powering telecommunications and data networks requiring 12V, 24V, 48V or 60V DC.

We offer a range of solutions for applications from small standalone systems (for applications like access nodes) to medium sized systems (for radio base stations or mobile networks) to larger systems (for central office power applications).

These ultraCOMPACT systems are configured using Enatel's state-of-the-art high-frequency switch-mode rectifier modules and intelligent network capable controllers. They include built-in DC load and battery distribution and can be configured to meet a wide range of customer requirements for access power solutions.

Modules are New Zealand-made to guarantee design, manufacture and process integrity. Our robust, proven conversion topology utilizes only the highest specification components.

KEY FEATURES

- World-leading power density
- Fully featured telecom-grade rectifiers
- Network monitoring available
- Modular 19" design for ease of installation
- Rear access
- More room for revenue-generating equipment
- High-reliability means less cost of maintenance
- Full remote monitoring available results in decreased OPEX

ULTRACOMPACT - DC POWER SYSTEM

PWSENAPSC SERIES



SPECIFICATIONS

	PWSENAPSC12V1	PWSENAPSC23V2	PWSENAPSC24V2
ELECTRICAL			
AC Input	1 Phase	1 or 3 Phase	
DC Output	PSC12	PSC23	PSC24
Nominal Voltage	48V	48V	48V
Max Output Power	4.0kW/6.0kW	6.0kW/9.0kW	8.0kW/12.0kW
Polarity	Positive or Negative Earth	Positive or Negative Earth	Positive or Negative Earth
DC Distribution	Customized designs available as required		
Load & Breaker Fail Detection	Electronic fail detection		
LVD	80A magnetically latching battery LVD	125A/150A magnetically latching battery LVD	150A magnetically latching battery LVD
ENVIRONMENTAL REQUIREMENTS			
Ambient Temperature	-20oC to 70oC [-4oF to 158oF] (refer to rectifier specification sheets for derating)		
MECHANICAL			
	1U	2U	
Dimensions (W, H, D)	W: 44.45 mm [1.75 in]	88.9 mm [3.5 in]	
	H: 482.6 mm [19" mount]	482.6 mm [19" mount]	
	D: 350 mm [13.779 in]	390 mm [15.35 in]	
Weight	5.0kg [11.02 lb] (excluding rectifier modules)	9.0 kg [19.84 lb] (excluding rectifier modules)	
COMPLIANCES			
Safety	EN 60950-1		
Other	CE & RoHS Compliant		
MONITORING AND CONTROL (SEE SM36/EM4X PRODUCT SHEETS)			
CONFIGURATION OPTIONS			
RECTIFIERS	RM3048HE: 3.0kW modular rectifier, 230V AC input, 48V DC output, 60.0A maximum output RM2048HE: 2.0kW modular rectifier, 230V AC input, 48V DC output, 41.7A maximum output RM1524HE: 1.5kW modular rectifier, 230V AC input, 24V DC output, 60.0A maximum output		
ENERGY MANAGER	SM36: enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalization with TCP/IP EM4x: advanced controller with phase balancing, peak shaving, lithium battery management, enhanced logic input and reporting.		
ARBP-VIT	Metal rectifier blanking panel		