ultraCOMPACT Power System

Multi-purpose Power

8.0kW MAX | **12V** OUT | **24V** OUT | **48V** OUT | **60V** OUT | **GREEN** ENERGY

Enatel DC power systems are the ideal solutions for powering telecommunications and data networks requiring 24V, 48V or 60V DC.
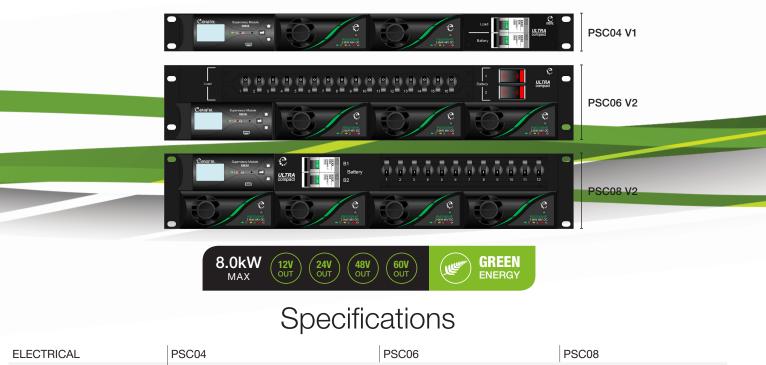
We offer a range of solutions for applications from small standalone systems (for applications like access nodes) to medium sized systems (for radio base stations or mobile networks) to larger systems (for central office power applications).

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 – something rarely offered by others.

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 means less site visits and less cost

PSC04 V1

PSC06 V2

PSC08 V2

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Specifications

ELECTRICAL	PSC04	PSC06	PSC08
AC Input:	Single phase (refer to rectifier specification sheets for further details)		
DC Output Nominal Voltage:	48V DC	48V DC	48V DC
Max Output Power:	4.0kW	6.0kW	8.0kW
Polarity:	Positive Earth	Positive Earth	Positive Earth
DC Distribution:	Customized designs available as required.		
Breaker Fail Detection:	Electronic fail detection		
LVD:	80A magnetically latching battery LVD	125A magnetically latching battery LVD	150A magnetically latching battery LVD

MECHANICAL	1U	2U
Dimensions (W,H,D):	44.45mm, 482.6mm (19" mount), 350mm	88.9mm, 482.6mm (19" mount), 390mm
Weight:	5.0kg (excluding rectifier modules)	9.0kg (excluding rectifier modules)

COMPLIANCES	
Safety:	EN60950
Other:	CE & RoHS compliant

MONITORING AND CONTROL (See SM35/SM36 datasheets)

ENVIRONMENTAL REQUIREMENTS	
Ambient Temperature:	-20ºC to +70ºC (refer to rectifier specification sheets for derating)

PART NUMBERS	
PSC04 V1:	ultraCOMPACT system: 2x modular rectifiers, 1x load 1x battery MCBs, SM36 supervisory module
PSC04 V2:	ultraCOMPACT system: 2x modular rectifiers, 3x load 2x battery MCBs, SM36 supervisory module
PSC06 V1:	ultraCOMPACT system: 3x modular rectifiers, 6x load 2x battery MCBs, SM36 supervisory module
PSC06 V2:	ultraCOMPACT system: 3x modular rectifiers, 16x load 2x battery MCBs, SM36 supervisory module
PSC08 V1:	ultraCOMPACT system: 4x modular rectifiers, 4x load 2x battery MCBs, SM36 supervisory module
PSC08 V2:	ultraCOMPACT system: 4x modular rectifiers, 12x load 2x battery MCBs, SM36 supervisory module

CONFIGURATION OPTIONS	
Rectifiers:	RM2048XE: 2.0kW modular rectifier, 230V AC input, 48V DC output, 41.7A maximum output RM2048HE: 2.0kW modular rectifier, 230V AC input, 48V DC output, 41.7A maximum output RM2048/24: 2.0kW modular rectifier, 230V AC input, 48 or 24V DC output, 41.7A maximum output
Supervisory Modules:	SM35: standard monitor featuring full temperature compensation, automated and manual battery testing/equalization SM36: enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalization with TCP/IP
ARBP-VIT:	Metal rectifier blanking panel

CE RoHS

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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