



POWER OUTPUTS

MAX OUTPUT 12.0kW

DC OUT 12V

DC OUT 24V

DC OUT 48V

DC OUT 60V

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



PSC12 V1



PSC23 V2



PSC24 V2

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.



ultraCOMPACT - DC Power System

MULTI-PURPOSE POWER

PRODUCT SHEET

POWER OUTPUTS

MAX OUTPUT 12.0kW

DC OUT 12V

DC OUT 24V

DC OUT 48V

DC OUT 60V



Specifications

ELECTRICAL	PSC12	PSC23	PSC24
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:	-20°C to 70°C [-4°F to 158°F] (refer to rectifier specification sheets for derating)

MECHANICAL	1U	2U
DIMENSIONS:	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

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