


# UltraCompact DC Power System



# PSC12/PSC23

DC POWER SYSTEM  


DC OUT  
**48V**

MAX OUTPUT  
**9.0kW**

## Key Features

- World-leading power density
- Fully featured telecom-grade rectifiers
- Fully advanced featured EM4x Energy Manager
- 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

## High Power Density

Enatel DC power systems are the ideal solutions for powering telecommunications and data networks requiring 48V 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 connected Energy Manager. 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.

# PSC12/PSC23 Specifications



ELECTRICAL	PSC12 V1	PSC23 V2	
AC INPUT: <small>(REFER TO RECTIFIER SPEC FOR FULL DETAILS)</small>	1 Phase	1 or 3 Phase	
DC OUTPUT	48V		
NOMINAL VOLTAGE:	48V DC		
MAX INSTALLED RECTIFIER POWER:	6.0kW	9.0kW	
POLARITY:	Positive earth or negative earth		
DC DISTRIBUTION:	1x load MCB, 1x battery MCB	16x load MCB, 2x battery MCB	
LOAD AND BATTERY MCB FAIL DETECTION:	Electronic fail detection / Auxiliary fail detection		
LVD:	80A magnetically latching battery LVD	125A magnetically latching battery LVD	
MAX PERMITTED CURRENT:	74amp @54V	111amp @54V	
ENVIRONMENTAL REQUIREMENTS			
AMBIENT TEMPERATURE:	-20°C to 70°C [-4°F to 158°F] (refer to rectifier specification sheets for derating)		
COMPLIANCES			
SAFETY:	EN 60950-1		
OTHER:	CE & RoHS Compliant		
MECHANICAL	1U	2U	
DIMENSIONS:	WIDTH:	44.45 mm [1.75 in]	88.9 mm [3.5 in]
	HEIGHT:	482.6 mm [19" mount]	482.6 mm [19" mount]
	DEPTH:	350 mm [13.779 in]	390 mm [15.35 in]
WEIGHT:	5.0 kg [11.02 lb] (excluding rectifier modules)	9.0 kg [19.84 lb] (excluding rectifier modules)	
CONFIGURATION OPTIONS			
RECTIFIERS:	RM3048HE:	3.0kW modular rectifier, 230V AC input, 48V DC output, 60.0A maximum output	
ENERGY MANAGER:	EM4x:	Advanced controller with phase balancing, peak shaving, lithium battery management, enhanced logic input and reporting	
MBPUF001:		Metal rectifier blanking panel	

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