

# smartCOMPACT - DC Power System

MULTI-PURPOSE POWER

PRODUCT SHEET

**POWER OUTPUTS**

MAX OUTPUT 6.0kW

DC OUT 12V

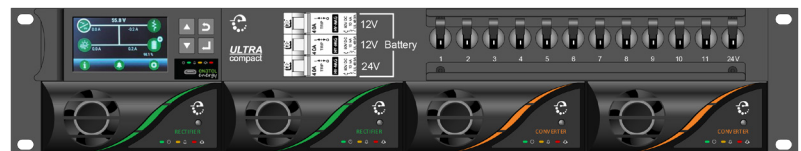
DC OUT 24V

DC OUT 48V

DC OUT 60V

## KEY FEATURES

- EM4x energy manager controller in a 1U module
- Modular 19" design for ease of installation
- Up to 4 individual voltage buses
- Up to 2 x Rectifier modules
- Up to 2 x DC to DC converters
- Dual battery temperature compensation
- Dual voltage battery charging



PSC24 V4

Enatel DC power systems are the ideal solutions for powering telecommunications and data networks requiring a mix of secured 12V, 24V, 48V or 60V DC on a single power installation.

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 smartCOMPACT 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. The smartCOMPACT allows for the connection of 2 different battery voltages to a single controller – need secure 12V for legacy radios and 24V for your SCADA? Then this is the system for you.

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



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## Specifications

ELECTRICAL		PSC24 V4
AC INPUT:	1 Phase	
DC OUTPUT:		
NOMINAL VOLTAGE:	12V/24V/48V/60V	
MAX OUTPUT POWER:	6.0kW	
POLARITY:	Positive or Negative Earth	
DC DISTRIBUTION:	Standard 12 x load breakers, 3x battery breakers, customized designs available as required.	
LOAD & BREAKER FAIL DETECTION:	Electronic fail detection	
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 2U	
DIMENSIONS:	W: 88.9 mm [3.5 in]
	H: 482.6 mm [19" mount]
	D: 390 mm [15.35 in]
WEIGHT:	9.0 kg [19.84 lb] (excluding rectifier modules)

COMPLIANCES	
SAFETY:	EN 60950-1
OTHER:	CE & RoHS Compliant
MONITORING AND CONTROL (SEE EM4X PRODUCT SHEET)	

CONFIGURATION OPTIONS	
RECTIFIERS:	RM3048HE: 3.0kW modular rectifier, 230V AC input, 48V DC output, 60.0A maximum output RM1524HE: 1.5kW modular rectifier, 230V AC input, 24V DC output, 60.0A maximum output
CONVERTERS:	CM612-48: 0.6kW modular converter, 48V DC input, 12V DC output, 40.0A maximum output CM612-24: 0.6kW modular converter, 24V DC input, 12V DC output, 40.0A maximum output CM1860-48: 1.8kW modular converter, 48V DC input, 60V DC output, 30.7A maximum output CM1024-48: 1.0kW modular converter, 48V DC input, 24V DC output, 43.0A maximum output
ENERGY MANAGER:	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.