



Telecommunications



Data Centers



Industries



Renewable

## SMARTCOMPACT - DC POWER SYSTEM PWSENAPSC24V4

enatel  
energy



PSC24 V4

### DESCRIPTION

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. The robust, proven conversion topology utilizes only the highest specification components.

### 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

# SMARTCOMPACT - DC POWER SYSTEM

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## SPECIFICATIONS

	PSC24 V4
<b>ELECTRICAL</b>	
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
<b>ENVIRONMENTAL REQUIREMENTS</b>	
Ambient Temperature	-20°C to 70°C [-4°F to 158°F] (refer to rectifier specification sheets for derating)
<b>MECHANICAL 2U</b>	
Dimensions (W, H, D)	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)
<b>COMPLIANCES</b>	
Safety	EN 60950-1
Other	CE & RoHS Compliant
<b>MONITORING AND CONTROL (SEE EM4X PRODUCT SHEET)</b>	
<b>CONFIGURATION OPTIONS</b>	
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

Latpower reserves the right to change product specifications and design without notice.

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