

HV COMPACT Power System

Distinctly Reliable

12kW MAX 110V OUT

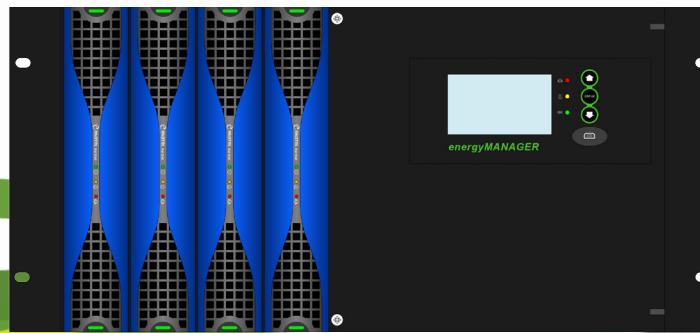
From Enatel's high voltage series of industrial power systems comes the HV COMPACT, with an output of up to 12.0kW and a maximum current of 109A. The ideal battery charging solution for utility protection and control equipment. All within 2U and 5U 19" rack mountable power shelves, which can be configured to individual customer requirements.

The HV COMPACT uses Enatel's state-of-the-art high-frequency switch-mode rectifier modules and intelligent network capable controllers in power shelves that include built-in load and battery distribution, AC input isolation and surge suppression.

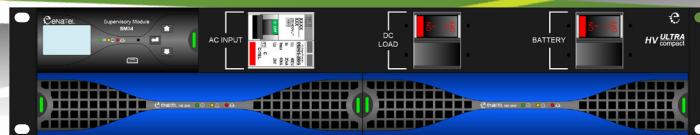
New Zealand-made to guarantee design, manufacture and process integrity, our robust, proven conversion topology utilizes only the highest specification components, ensuring unparalleled reliability benefits.

KEY FEATURES

- World-leading power density
- Fully featured industrial-grade rectifiers
- Network monitoring available
- Earth leakage detection
- Built-in AC surge suppression
- Hot-swappable rectifiers for no break operation under load
- Easily customized and configured to suit each customer's individual needs
- Modular 19" design for ease of installation



PSC12HV



PSC06HV

12kW
MAX
110V
OUT

Specifications

ELECTRICAL

PSC06		PSC12	
AC Input:	Single phase (refer to rectifier specifications)	Three phase (refer to rectifier specifications)	
Termination:	3x 16mm ² tunnel terminals	Direct to MCB	
DC Output Nominal Voltage:	110V DC	110V DC	
Max Output Power:	6kW	12.0kW	
Polarity:	Floating earth	Floating earth	
DC Distribution	Loads: 1x 70A 2 pole MCB, (breaks +ve & -ve) Battery: 1x 70A 2 pole MCB, (breaks +ve & -ve)	Loads: 3x 63A 2 pole MCB, (breaks +ve & -ve) Battery: 1x 125A 2 pole MCB, (breaks +ve & -ve)	
Breaker Fail Detection:	Auxiliary breaker	Auxiliary breaker	
DC Terminals	Loads/Battery: 35mm ² tunnel terminals	Direct to breaker	
LVD:	Not available	Optional 125A magnetically latching battery LVD	

MECHANICAL

Dimensions (W, H, D):	482.6mm (19" mount), 88.9mm, 350.0mm (2U)	482.6mm (19" mount), 222.2mm, 320.0mm (5U)
Weight:	7.0kg (excluding rectifier modules)	9.0kg (excluding rectifier modules)

MONITORING AND CONTROL (See SM33/SM34 datasheets)

ENVIRONMENTAL REQUIREMENTS

Ambient Temperature:	-20°C to +70°C (maximum output power is derated above +50°C)
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COMPLIANCES

Safety:	EN60950
Other:	CE & RoHS compliant

PART NUMBERS

PSC12HV:	HV COMPACT system; 4x modular rectifiers, SM34 supervisory module (TCP/IP)
PSC06HV:	HV COMPACT system; 2x modular rectifiers, SM34 supervisory module (TCP/IP)

CONFIGURATION OPTIONS

Rectifier:	RM30110: 3.0kW modular rectifier, 230V AC input, 110V DC output, 27.3A maximum output
Supervisory Modules:	SM33: standard monitor featuring full temperature compensation, automated and manual battery testing/equalization SM34: enhanced monitor featuring full temperature compensation, automated and manual battery testing/equalization with TCP/IP, Modbus over TCP/IP
ASM-ABM24-110:	Battery condition monitor for 110V battery strings
ASM-AC3P:	AC mains monitor (5U only)



Contact Power On Australia 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.



1300 662 435
poweronaustralia.com.au

Power On Australia Pty Ltd - ABN 48 110 752 442

Unit 20, 256-258 Musgrave Road, Coopers Plains QLD 4108 (Head Office)

Po Box 5322, Daisy Hill QLD 4127