

HV COMPACT Power System

Distinctly Reliable

12kW
MAX

110V
OUT

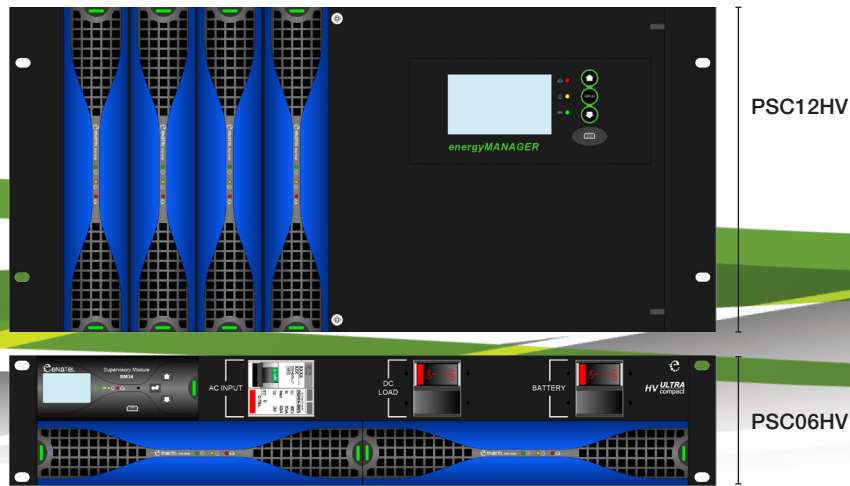
From Enatel's high voltage series of industrial power systems comes the HV COMPACT, with an output of up to 12.0kW and a maximum current of 109A. The ideal battery charging solution for utility protection and control equipment. All within 2U and 5U 19" rack mountable power shelves, which can be configured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



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: Max Output Power: Polarity:	110V DC 6kW Floating earth	110V DC 12.0kW Floating earth
DC Distribution Loads: Battery:	1x 70A 2 pole MCB, (breaks +ve & -ve) 1x 70A 2 pole MCB, (breaks +ve & -ve)	3x 63A 2 pole MCB, (breaks +ve & -ve) 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)	
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 Enatel 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.

Join us on     | **enatel**
energy

A division of www.enatel.net | sales@enatelenergy.com | Ph: +64-3-366 4550