

HVCompact Power System



HVC22

DC POWER SYSTEM


DC OUT
110V

MAX OUTPUT
6kW

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

Distinctly reliable

From Enatel's high voltage series of industrial power systems comes the HV COMPACT, with an output of up to 6kW (max) and a maximum current of 54A.

The ideal battery charging solution for utility protection and control equipment. All within a 2U 19" rack mountable power shelf, configurable 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 design to guarantee manufactured quality, process integrity, reliability and quality. Our robust proven conversion topology utilizes only the highest specification components, ensuring unparalleled reliability benefits.



HVC22 Specifications



ELECTRICAL

AC INPUT:	Single phase (refer to rectifier spec for full details)
TERMINATION:	Rear access terminals

DC OUTPUT RATINGS

NOMINAL VOLTAGE:	110V DC	
MAXIMUM OUTPUT POWER:	6kW	
POLARITY:	Isolated O/P	
DC DISTRIBUTION	LOADS:	1x 70A 2 pole MCB, (breaks +ve & -ve)
	BATTERY:	1x 70A 2 pole MCB, (breaks +ve & -ve)
BREAKER FAIL DETECTION:	Auxiliary breaker	
DC TERMINALS: LOADS/BATTERY:	35mm ² tunnel terminals	
LVD:	80A magnetically latching battery LVD	
EARTH LEAKAGE DETECTION – PCB:	Yes	

ENVIRONMENTAL REQUIREMENTS

AMBIENT TEMPERATURE:	-20°C to 70°C [-4°F to 158°F] (maximum output power is derated above 50°C [122°F])
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COMPLIANCES

SAFETY:	EN 60950-1, EN 62368-1 (pending)
OTHER:	CE & RoHS Compliant

MECHANICAL

DIMENSIONS:	W:	482.6 mm [19 in mount]
	H:	88.9 mm [3.5 in] (2U)
	D:	426.0 mm [16.77 in]
WEIGHT:	7.0 kg [15.43 lb] (excluding rectifier modules)	

MONITORING AND CONTROL

(See EM4x product sheets)

CONFIGURATION OPTIONS

RECTIFIERS:	RM30110: 3.0kW modular rectifier, 230V AC input, 110V DC output, 27.3A maximum output
ENERGY MANAGER:	EM4x: Advanced energy manager featuring full temperature compensation, battery management, enhanced logic input and reporting. Features SNMP, Modbus and web-based communications.
ACMCANDN:	AC mains monitor, Upstream for 2U

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

