

HV COMPACT Power System

DISTINCTLY RELIABLE

PRODUCT SHEET

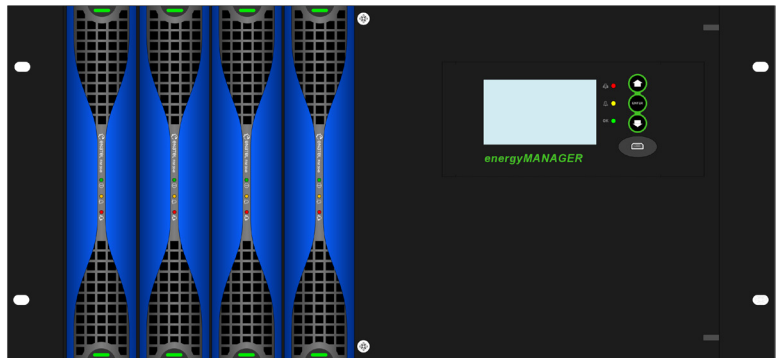
**POWER
OUTPUTS**

MAX
OUTPUT
12.0kW

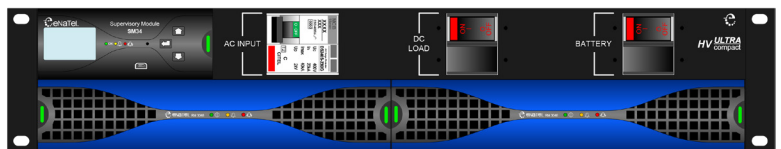
DC OUT
110V

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



HVC54



HVC22

From Enatel's high voltage series of industrial power systems comes the HV COMPACT, with an output of up to 12.0kW (max) 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.



HV COMPACT Power System

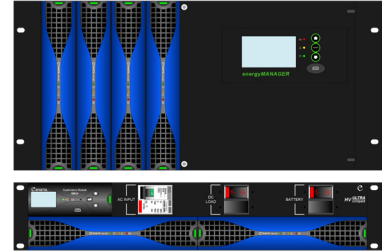
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Specifications

ELECTRICAL		HVC22	HVC54
AC INPUT:		Single phase (refer to rectifier spec for full details)	Three phase (refer to rectifier spec for full details)
TERMINATION:		Rear access terminals	Direct to MCB (front/top access)
DC OUTPUT RATINGS:		HVC22	HVC54
NOMINAL VOLTAGE:		110V DC	110V DC
MAXIMUM OUTPUT POWER:		6kW	12.0kW
POLARITY:		Isolated O/P	Isolated O/P
DC DISTRIBUTION	LOADS:	1x 70A 2 pole MCB, (breaks +ve & -ve)	3x 63A 2 pole MCB, (breaks +ve & -ve)
	BATTERY:	1x 70A 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:		Optional 80A magnetically latching battery LVD	Optional 125A magnetically latching battery LVD
EARTH LEAKAGE DETECTION: PCB:		Yes	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])

COMPLIANCES

SAFETY: EN 60950-1
OTHER: CE & RoHS Compliant

MECHANICAL HVC22

DIMENSIONS:
W: 482.6 mm [19" mount]
H: 88.9 mm [3.5 in] (2U)
D: 350.0 mm [13.78 in]

WEIGHT: 7.0 kg [15.43 lb] (excluding rectifier modules)

HVC54

482.6 mm [19" mount]
222.2 mm [8.75 in] (5U)
320.0 mm [13.0 in]

9.0 kg [19.84 lb] (excluding rectifier modules)

MONITORING AND CONTROL (See SM34/EM4x product sheets)

CONFIGURATION OPTIONS

RECTIFIERS:	RM30110: 3.0kW modular rectifier, 230V AC input, 110V DC output, 27.3A maximum output
ENERGY MANAGER:	SM34: enhanced monitor featuring full temperature compensation, automated and manual battery testing/ equalisation with TCP/IP EM4x: advanced controller with battery management, enhanced logic input and reporting.
ASM-BM110:	Battery condition monitor for 110V battery strings
ASM-AC3P-110:	AC mains monitor (5U only), Upstream for 2U

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