



Telecommunications



Data centers



Industries

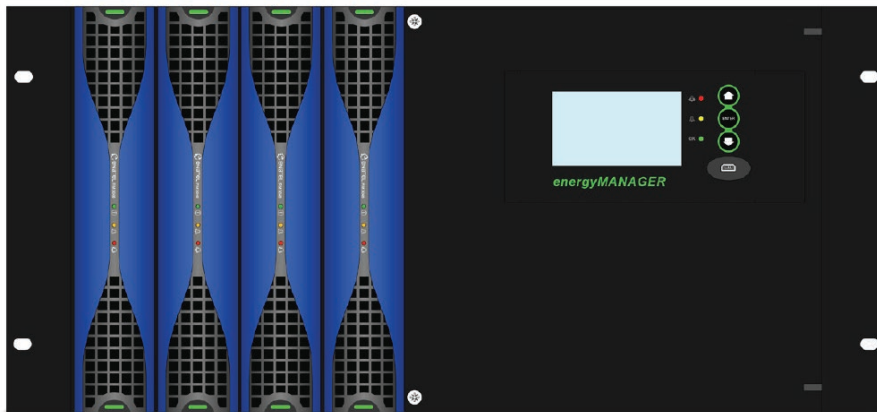


Renewable

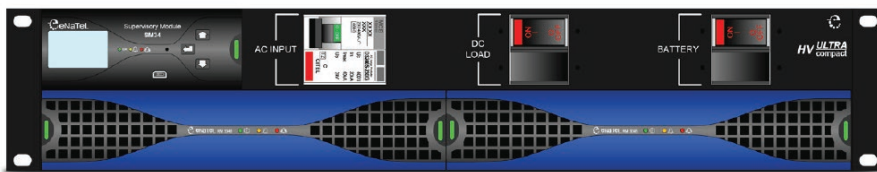
HV COMPACT POWER SYSTEM

PWSENAHVC SERIES

enatel
energy



HVC54



HVC22

DESCRIPTION

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.

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.

HV COMPACT POWER SYSTEM

PWSENAHVC SERIES



SPECIFICATIONS

SPECIFICATIONS		PWSENAHVC22	PWSENAHVC54
ELECTRICAL			
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		35mm2 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			
Dimensions (W, H, D)	W: 482.6 mm [19" mount]	482.6 mm [19" mount]	
	H: 88.9 mm [3.5 in] (2U)	222.2 mm [8.75 in] (5U)	
	D: 350.0 mm [13.78 in]	320.0 mm [13.0 in]	
Weight	7.0 kg [15.43 lb] (excluding rectifier modules)	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	

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

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