



AUSTRALIA 1300 734 253

sales@valen.com.au www.valen.com.au

NEW ZEALAND 0800 734 253

sales@valen.co.nz www.valen.co.nz



WeCo Rack Mount Low Voltage 5K3-XP

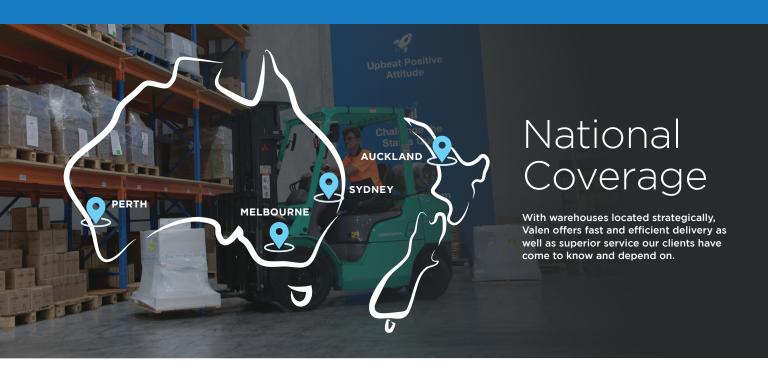
The WeCo Rack Mount Low Voltage 5K3-XP produces 5.3kWh of usable energy and is scalable up to 550 kWh. The rack-mount formation provides compact low-voltage stackable storage and is suitable for a range of applications from residential to industrial, both on and off-grid applications. WeCo modules are compatible with a range of inverters and can be bundled with Valen range of quality products to create full plug-and-play systems.



Features

- WeCo design and produce lithium batteries equipped with the highest quality components.
- Scalable up to 550 kWh LV HUB Self Balancing System for LV Application.
- Each module is 5.3 kWh of usable energy, high energy density, extreme safety, and innovative design.
- Rack High Voltage is the most compact Low Voltage stackable storage for domestic application, plug and play, compatible with several International Inverter.
- Italian Quality & Design Design and quality in every detail, first-class assistance worldwide from our skilled technicians.





sales@valen.co.nz

≔

Specifications

. <u> </u>	
Parameters	5K3 LV/HV
Module Capacity	5.3 kWh
Single Module Nominal Voltage	51.2 Vdc
Application	Low Voltage Application
Modules Expandibility	LV Mode: Max 15 Modules in Parallel = 1 LV Cluster Max 7 LV Clusters composed by maximum 15 modules in serial connection each + LV H U B
Voltage Range (Vdc)	47.5-58.4 Vdc BMS dynamically adjusts the operating values
Capacity (Ah)	105
Usable Capacity (Ah)	100
Dimension (mm)	550 x 430 x 155
Weight (kg)	57.3
Charge / Discharge Current (A)	100 (150 30sec)
Peak Discharge Current	200 Peak 5 s
Depth of Discharge	Up to 100%
Communication Port	RS485, CAN, 232, Wi-Fi
Modules in serial Connection	Up to 15 pcs in parallel
Discharge Temperature (°C)**	-20 ~ +60
Charge Temperature (°C)**	-10 - +55
Shelf Temperature (°C)**	-10 ~ +45
Humidity (%)	5 ~ 95
Altitude (m)	< 3000
Design life	10 Years (25°C)
Expected Life Cycles EOL 80%	> 7000 (25°C)
Standards IEC62619 UL1973 CE	IEC 61000 UN38.3
Features	Auto balancing BMS, 16 channels equalizer, Module local monitoring,
Protections	Fuse: 150A / 60Vdc Contactor 150A/60Vdc, Real-time balancing, Adaptive charge/ discharge CAN logic, Three steps adaptive charging logic, 2xDI/DO programmable ports, Mobile APP for monitoring, control, debugging, firmware update, and historical information.

- *- Module net usable energy is managed by the BMS control logic to 100Ah.
- **-See Warranty Terms and the Standard Test Conditions "STC" and the operative temperature.

All data subject to the change without prior notice, no part of this document can be copied or reproduced without the written permission of WeCo.

5K3 -XP Is designed to operate with rack support and indoor or in IP56 Cabinets.



Rack Mounted 5K3-XPBattery Specification













Battery Module	4	5	6	7	8
Battery System Capacity (kWh)	20.8	26	31.2	36.4	41.6
Voltage (Min/Max)	47.5 / 58.4				
Cabinet Type B (Outdoor+Cooling)			9 RACK		
Cabinet Weight Type B (Empty)			210kg		
Modules Weight (Kg)	229.2 *	286.5	343.8	401.1	458.4



A/C Cooled Stand Alone Cabinet IP 56/4U Slots



	Tower HV Modules	Max Current	Capacity
Voltage Range 47.5-58.4	4	400	20.8
	5	500	26
	6	600	31.2
	7	700	36.4
	8	800	41.6
	9	800	46.8
	10	900	52
	11	950	57.2
	12	950	62.4
	13	950	67.6
	14	1000	72.8
	15	1050	78







Legal Entity Valen Power Pty LtdACN 134 028 961
Telephone 1300 734 253





