

# WECO BATTERIES

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# WECO RACK LOW VOLTAGE 5K3-XP

## LITHIUM ENERGY STORAGE SYSTEM

- 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



# WECO RACK LOW VOLTAGE 5K3-XP

## BATTERY SPECIFICATIONS



### SINGLE MODULE LV

Basic Parameters	5K3 RACK LV MODULE FOR INDOOR OR CABINET USE ONLY
Module Capacity kWh	5,3
Single Module Nominal Voltage (Vdc)	51.2
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 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, <b>Mobile APP for monitoring, control, debugging, firmware update, and historical information.</b>
Notes	*- 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

Specifications subject to change without notice.

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## BATTERY SPECIFICATIONS



Battery Module	4	5	6	7	8	8+7
Battery System Capacity (kWh)	20,8	26	31,2	36,4	41,6	78,0
Voltage ( Min Max)	47,5 / 58,4					
Cabinet Type B ( Outdoor+Cooling)	9 RACK					18 RACK
Cabinet Weight Type B ( Empty )	210kg					290kg
Modules Weight (Kg)	229,2 *	286,5	343,8	401,1	458,4	2x458,4

Tower HV Modules	Voltage Range	Max Current	Capacity
4	47.5-58.4	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

**A/C COOLED  
STAND ALONE CABINET  
IP 56/4U SLOTS**



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# End of Life Recycling

Valen is ISO 14001 accredited and is committed to making a difference to the environment. When your batteries reach their end of life, Valen's recycling program allows you to return your old batteries and put them through the recycling process, reducing landfill to less than 1%.

This process is completed hassle-free and at no cost to our clients.

All raw materials are recycled from your batteries, and any profit from these raw materials is donated to charity.







# National Coverage

With warehouses located strategically, Valen offers fast and efficient delivery as well as superior service our clients have come to know and depend on



## Company Details

Legal Entity Valen Power Pty Ltd

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ACN 134 028 961

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Telephone 1300 734 253

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