

WECO DUAL VOLTAGE 5K3

LITHIUM ENERGY STORAGE SYSTEM

- WeCo design and produce lithium batteries equipped with the highest quality components. Each application has its own Lithium Chemistry cell in order to guarantee the highest durability and Safety.
- Digital Smart BMS: WeCo has developed one of the most advanced BMS with an active and passive equalizer with real-time control on every single cell.
- The CUB8 monitoring system can detect, control and monitor every battery pack connected. In addition, you can monitor your system via a user-friendly mobile app.
- Italian Quality & Design - Design and quality in every detail, first-class assistance worldwide from our skilled technicians





WECO DUAL VOLTAGE 5K3

BATTERY SPECIFICATIONS

SINGLE MODULE LV/HV 5K3

Parameters	5K3 LV/HV
Battery System Capacity	5,3 kWh
Single Module Nominal Voltage	52 Vdc
Application	Dual Voltage LV/HV
Modules Expandability	HV Mode: Max 16 Modules in Series with Single HV Box = One HV Cluster LV Mode: Max 8 Modules in Parallel without WeHub = One LV Cluster
Cluster Net Capacity	Max 144 Modules per HV System / Max 100 Modules per LV System
Voltage Range	48,5-1000 Vdc
Net Capacity	110 Ah
Usable Capacity	100 Ah
Dimension	580 x 463 x 165 mm
Weight	57,3 Kg
Charge / Discharge Current	110 A
Step 01	160 (60 s)
Peak	200 (Peak 5 s)
Depth of Discharge	100%
Communication Port	RS485, CAN, 232, Wi-Fi
Single string quantity	16 pcs
Discharge Temperature*	-20 - 55°C
Charge Temperature *	-10 - 55°C
Shelf Temperature	-10 - 50°C
Humidity	5% - 95%
Altitude	< 3000 m
Design life	15 Years (25°C)
Expected Life Cycles @ STC	>8000 (25°C)
Standards	IEC62619/UL1973 CE/UN38.3
Features	Pre-Charge+Fuse LV+ Fuse HV+ Auto Contactor + Dual BMS+ Multi BMS FW management
	Applicable for Low Voltage and High Voltage systems, Four protection levels for HV Box, Real-time balancing, Adaptive charge/discharge CAN logic, Three step adaptive charging logic, 2xDI/DO programmable ports, Mobile APP for monitoring, control, debugging, firmware update and historical information.

Specifications subject to change without notice.



WECO 5K3

BATTERY SPECIFICATIONS

LOW VOLTAGE STACKABLE



Battery Module	2	3	4	5	4+4
Battery System Capacity	10,4 kWh	15,6 kWh	20,8 kWh	26 kWh	41,6 kWh
Voltage Range	48,5 - 58,4 Vdc				
Dimensions	580x463x330 mm	580x463x495 mm	580x463x660 mm	580x463x825 mm	(2x) 580x463x660 mm
Weight	114,6 kg	171,9 kg	229,2 kg	286,5 kg	2x 229,2 kg
Depth of Discharge	100%				
Charge/Discharge (Recommended)	160	240	320	400	640
Current (A) (Continuos)	210	300	390	480	780
Current (A) (Peak 15s)	300	380	470	560	940
Current (A) (Discharge Peak 5s)	400	600	800	1000	1600
Communication	RS485, CAN, 232, Wi-Fi				
Protection Class	IP23 / IP56				
Working Temperature	-20°C +60°C *				
Storage Temperature	-10°C +40°C				
Humidity	5% - 95%				
Altitude	< 3000 m				
Design life	15 Years (25°C)				
Expected Life Cycles @ STC	>8000 (25°C)				
Standards	IEC62619/UL1973 / CE / UN38.3				

*See Terms and Conditions

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BATTERY SPECIFICATIONS

HIGH VOLTAGE STACKABLE



HV BOX

+



Battery Module	4	5	6	7	8	8+8
Battery System Capacity	20,8 kWh	26 kWh	31,2 kWh	36,4 kWh	41,6 kWh	83,2 kWh
Recommended Voltage	min 200V max 232V	min 250V max 290V	min 300V max 348V	min 350V max 406V	min 400V max 464V	min 800V max 928V
Dimensions	580x463x660 mm	580x463x825 mm	580x463x990 mm	580x463x1155 mm	580x463x1320 mm	(2x) 580x463x1320 mm
Weight	229,2 kg	286,5 kg	343,8 kg	401,1 kg	458,4 kg	2x 458,4 kg
Depth of Discharge	100%					
Charge/Discharge	100A/100A					
Communication	RS485, CAN, 232, Wi-Fi					
Protection Class	IP23 / IP56					
Working Temperature	-20°C +60°C *					
Storage Temperature	-10°C +40°C					
Humidity	5% - 95%					
Altitude	< 3000 m					
Design life	15 Years (25°C)					
Expected Life Cycles @ STC	>8000 (25°C)					
Standards	IEC62619/UL1973 / CE / UN38.3					
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WECO LOW VOLTAGE 5K3

WALL MOUNTED



Company Details

Legal Entity Valen Power Pty Ltd

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