

WECCO

WECCO DUAL VOLTAGE 5K3



Lithium Energy Storage System

5K3

SINGLE MODULE LV/HV



Basic Parameters	5K3 LV/HV
Battery System Capacity	5,3 kWh
Single Module Nominal Voltage	52 Vdc
Application	Dual Voltage LV/HV
Modules Expandibility	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.

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
(Peak 15s)	300	380	470	560	940
(Discharge Peak 5s)	400	600	800	1000	1600
Communication	RS485, CAN, 232, Wifi				
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					

LOW VOLTAGE WALL MOUNTED



HIGH VOLTAGE STACKABLE



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, Wifi					
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						

CERTIFICATIONS





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