

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 (V)	52
Application	Dual Voltage LV/HV
Modules Expandibility	HV-16 in series (up to 9 cluster in parallel with HVBOX) LV- 10 in parallel Without WE-HUB 100 in parallel with WE-HUB
Cluster Net Capacity	748 kWh (HV) / 520 kWh (LV)
Voltage Range	48,5-1000
Net Capacity	110
Usable Capacity Ah	100
Dimension (mm)	576*461*156
Weight (Kg)	52
Charge / Discharge Current	110
Step 01	160 (60 sec)
Peak	200 (Peak 5s)
Depth of Discharge	100%
Communication Port	RS485, CAN, 232, Wi-Fi
Single string quantity(pcs)	16
Discharge Temperature /°c*	-20 ~ 55°C
Charge Temperature /°c*	-10 ~ 55°C
Shelf Temperature/°c	-10 ~ 50°C
Humidity	5%~95%
Altitude (m)	<3000
Design life	15 ↑ Years (25°c)
Expecetd Cycle Life @ 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
	Aplicability for Low Voltage and High Voltage systems, Four protections levels with HV BOX, real time balancing, Adaptive charge /discharge CAN logic, 3 steps adaptive charging logic, 2xDI/DO programmable, Mobile APP for monitoring and remote control,update, debug, data save

LOW VOLTAGE STACKABLE

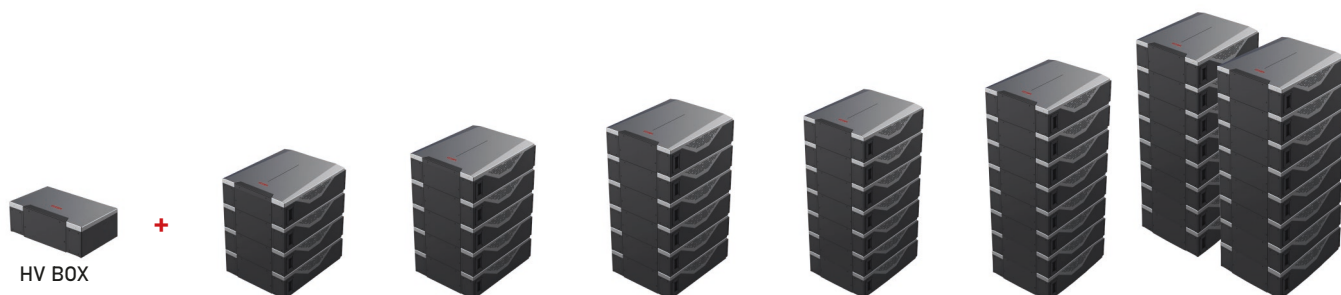


Battery Module	2	3	4	5	5+5
Battery System Capacity	10,4 kWh	15,6 kWh	20,8 kWh	26 kWh	52 kWh
Voltage Range (V)	48,5 - 58,4				
Dimension (W*D*H mm)	576*461*322	576*461*483	576*461*644	576*461*805	2x 576*461*805
Weight (kg)	104kg	156kg	208kg	260kg	2x 260kg
Depth of Discharge	100%				
Charge/Discharge (Recommend)	160	240	320	400	800
Current (A) (Continuous)	210	300	390	480	960
(Peak 15s)	300	380	470	560	1000
(Discharge Peak 5s)	400	600	800	1000	2000
Comunication	RS485, CAN, 232, Wifi				
Protection Class	IP23 / IP56				
Working Temperature (°C)	-20°C +60°C *				
Storage Temperature (°C)	-10°C +40°C				
Humidity	5% - 95%				
Altitude (m)	< 3000				
Design life	15 ↑ Years (25°C)				
Expecetd Cycle Life @ STC	>8000 ↑, 25°C				
Standards	IEC62619/UL1973 / CE / UN38.3				
* SEE THERM AND CONDITION					

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 200 max 232	min 250 max 290	min 300 max 348	min 350 max 406	min 400 max 464	min 800 max 928
Dimension (W*D*H mm)	576*461*644	576*461*805	576*461*966	576*461*1127	576*461*1288	2x 576*461*1288
Weight (kg)	208 kg	260 kg	312 kg	364 kg	416 kg	2x 416 kg
Depth of Discharge	100%					
Charge/Discharge	100A/100A					
Communication	RS485, CAN, 232, Wifi					
Protection Class	IP23 / IP56					
Working Temperature (°C)	-20°C +60°C *					
Storage Temperature (°C)	-10°C +40°C					
Humidity	5% ~ 95%					
Altitude (m)	< 3000					
Design life	15 ↑ Years (25°C)					
Expected Cycle Life @ STC	>8000 ↑, 25°C					
Standards	IEC62619/UL1973 / CE / UN38.3					
* SEE TERMS AND CONDITIONS						

CERTIFICATIONS





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