



WECO LOW VOLTAGE 4k4LT



Lithium Energy Storage System



SINGLE MODULE



Basic Parameters	4K4 LT
Battery System Maximum Capacity	4,70 kWh
Battery System Capacity	4,45 kWh
Single Module Nominal Voltage	51.2 V
Application	Low Voltage
Modules Expandibility	15 direct parallel (Stack max 5 units)
Ingress Protection	IP 30 (Indoor application Only)
Cluster Net Capacity	67.5 – 472.5 kWh
Voltage Range	45,5 – 58,4
Usable Capacity	86 Ah
Dimensions	492x580x155 mm
Weight	46 Kg
Max Charge/Discharge Current	Up to 1C max
Peak (30s)	2C
Depth of Discharge	Up to 95%
Communication Port	RS485, CAN, 232, Wi-Fi & Bluetooth (with External device)
Discharge Temperature (*)	-20 ~ +55 °C
Charge Temperature (*)	-7 ~ +55 °C
Shelf Temperature	-10 ~ +50 °C
Humidity	5% ~ 95% RH
Altitude	< 3000 m
Expecetd Cycle Life @ STC	> 6000 (25°C)
Standards	IEC62619/CE/UN38.3
Features	<p>Pre-Charge + MOSFET Protection</p> <p>Three Protection Levels, Real-Time Balancing, Adaptive Charge/Discharge CAN Logic, 3-Steps Adaptive Charging Logic</p> <p>2x programmable DI/DO</p> <p>Mobile App for monitoring/remote control, updating, debug, and data save</p>

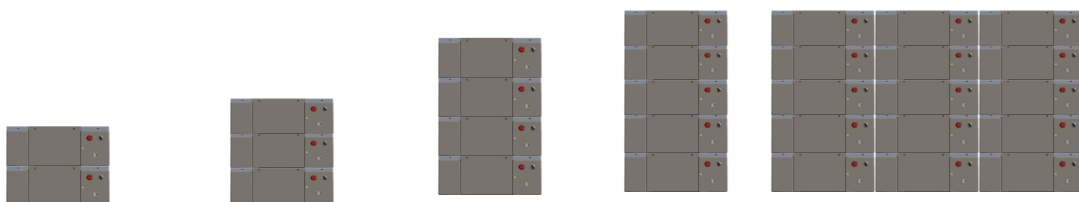
(*) The above-mentioned temperatures are limited to the BMS ranges, such values are not intended to be covered by the performance warranty.

CERTIFICATIONS



STACKABLE

4K



Battery Module	2	3	4	5	5+5+5**
Battery System Capacity (kWh)	8,8	13,2	17,6	22,0	67,5
Voltage Range (V)	46,5-58,4				
Dimension (mm)	540x450x270	540x450x405	540x450x540	540x450x675	3x 540x450x540
Weight (kg)	92kg	138kg	184kg	230kg	690kg
Depth of Discharge	95%				
Charge/Discharge (Recommended)	180	243	288	315	945
Communication	RS485, CAN, 232, Wi-Fi (with External device)				
Protection Class	IP30				
Working Temperature (°C) (*)	-20 / +55				
Normal Operative Temperature (°C)	12-28 (°C)				
Storage Temperature (°C)	-10 / +40				
Humidity	5% ~ 95%				
Altitude (m)	< 3000				
Expected Cycle Life @ STC (*)	> 6000 (25°C)				
Standards	IEC62619/CE/UN38.3				
Monitoring	External Wi-Fi monitoring Dongle suitable for single battery or cluster				

(*) SEE WARRANTY TERMS AND CONDITIONS

(**) Up to 15 batteries in parallel will available from May 2023



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