



WECO LOW VOLTAGE 4k4 LT

2023 New Release



Lithium Energy Storage System



1st Official Release January 2023

SINGLE MODULE



Basic Parameters	4K4 LT
Battery System Maximum Capacity	4,7 kWh
Battery System Capacity	4,4 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
Standard Charge/Discharge Current	0.5C
Depth of Discharge	Up to 95%
Communication Port	RS485, CAN, 232, Wi-Fi & Bluetooth (with External device)
Discharge Temperature (*)	-20 ~ +65 °C
Charge Temperature (*)	-5 ~ +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>

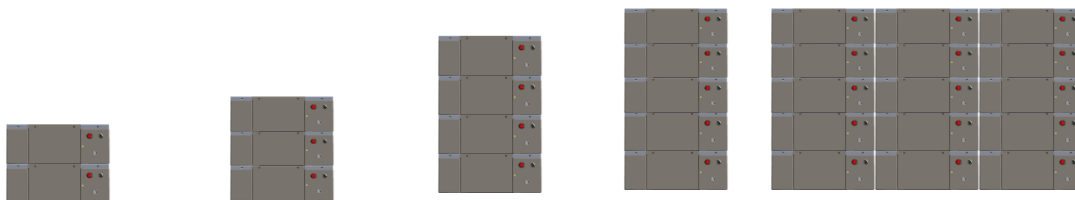
(*) The above-mentioned temperatures are limited to the BMS ranges, such values are not intended to be covered by the performance warranty.

CERTIFICATIONS



STACKABLE

4K



Battery Module	2	3	4	5	5+5+5**
Battery System Capacity (kWh)	4,8	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



WeCo SRL

Viale Kennedy 113-121 Scarperia Firenze Italia

weco@wecobatteries.com

Tel. +39 055 0357960

www.wecobatteries.com