



WECO

Low Voltage 4K4 LT



WeCo Srl
Viale J.F.Kennedy 113-121
50038 Scarperia Firenze Italia
weco@wecobatteries.com
www.wecobatteries.com

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 Vdc
Application	Low Voltage
Modules Expandability	15 direct parallel (Stack max 5 units)
Ingress Protection	IP 30 (Indoor application Only)
Cluster Net Capacity	66 ~ 462 kWh (with LV HUB for multi-cluster application)
Voltage Range	46,5 ~ 58,4 Vdc
Usable Capacity	86 Ah
Dimensions (mm)	492 x 580 x 155
Weight	46 Kg
Max. Charge / Discharge Current	Up to 1C max
Standard Charge / Discharge Current	0.5C
Depth of Discharge	Up to 95 %
Communication Interface	RS485, CAN, RS232, Wi-Fi & Bluetooth (with External device)
Discharge Temperature (*)	-20 ~ + 65 °C
Charge Temperature (*)	-5 ~ + 55 °C
Standard Temperature Range (°C)	25 °C ± 10°C
Humidity	5 % ~ 95 % RH
Altitude	< 3000 m
Expected Cycle Life @ STC	> 6000 (25°C)
Standards	CB / IEC62368 / IEC62619 / CE / UN38.3
Features	Pre - Charge + MOSFET Protection
	Three Protection Levels, Real-Time Balancing, Adaptive Charge/
	Discharge CAN Logic, 3-Steps Adaptive Charging Logic
	2 x programmable DI / DO
	Optional Device for monitoring & remote control with WeCo App for Android / iOS

(*)The above-mentioned temperatures are limited to the BMS ranges, such values are not intended to be covered by the performance warranty, always refer to the warranty terms and the installation manual before buying

Stackable

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 (Vdc)	46,5 ~ 58,4				
Dimension (D x W x H) (mm)	580 x 492 x 310	580 x 492 x 465	580 x 492 x 620	580 x 492 x 775	3 x (580 x 492 x 775)
Weight (Kg)	92 Kg	138 Kg	184 Kg	230 Kg	690 Kg
Depth of Discharge	95 %				
Charge / Discharge Current (Recommended)	172	243	288	315	945
Communication	RS485, CAN, RS232, Wi-Fi (with External device)				
IP Rating	IP30				
Working Temperature (°C) (*)	-20 °C ~ +55 °C				
Standard Working Temperature Range (°C)	25 °C ± 10°C				
Storage Temperature (°C)	-10 + 40 (°C) @ 1month				
Humidity	5 % ~ 95 % non-condensing				
Altitude (m)	< 3000				
Expected Cycle Life @ STC (*)	> 6000 (25°C)				
Standards	CB/ IEC62619 / IEC62368 / CE / UN38.3				
Monitoring	External Wi-Fi monitoring Dongle suitable for single battery or cluster				

*SEE WARRANTY TERMS AND CONDITIONS

See Performance Warranty Terms and the Standard Test Conditions ''STC''.

All data is subject to change without prior notice; always ask WeCo for the most recent datasheet and manual before purchasing.

No part of this document can be copied or reproduced without WeCo written permission.