

**WECO**



**4K4**

Versatile.  
Efficient.  
Compact.

**4K4 LT**

**LOW VOLTAGE**

Lithium Energy Storage System



155 mm  
(6.1 in)



580mm  
(22.8 in)

492mm  
(19.37in)

# 4K4 LT

## SINGLE MODULE



### Specifications

BATTERY	Battery System Maximum Capacity	4,76 kWh
	Battery System Capacity	4,45 kWh
	Single Module Nominal Voltage	51.2 Vdc
	Depth of Discharge	Up to 98%
SYSTEM	Modules Expandability	15 direct parallel ( 105 with LV HUB accessory)
	Ingress Protection	IP20 (Indoor application Only)
	Cluster Net Capacity	66 ~ 462 kWh (with LV HUB for multi-cluster application)
	Voltage Range	46.5 ~ 56.8 Vdc
	Usable Capacity	86 Ah ( Gross Capacity 93Ah)
COMMUNICATION	Communication Interface	RS485, CAN, RS232, Wi-Fi & Bluetooth (with External Device)
BASIC PARAMETERS	Dimensions (W x D x H) (mm)	492 x 580 x 155
	Weight	46 kg
	Max. Charge / Discharge Current	Up to 1C max.
	Standard Charge / Discharge Current	0.5C
	Discharge Temperature	-20 ~ +60 °C *
	Charge Temperature	-5 ~ +55 °C *
	Standard Temperature Range	25 °C ± 10°C
	Humidity	5 % ~ 95 % no condensation
	Altitude	< 3000 m
	Expected Cycle Life @ STC	> 6000 (25°C)
	Standards	CB / IEC62368-1 / IEC62619 / CE /EMC / UN38.3
	Features	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 Pre - Charge + MOSFET Protection Three Protection Levels, Real-Time Balancing, Adaptive Charge/



\*The above-mentioned temperatures are limited to the BMS ranges, such values may not be covered by the performance warranty.  
We recommend contacting WeCo for the most up-to-date datasheet, read warranty and manual before making any purchasing decisions.  
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# 4K4 LT 4K

STACKABLE

## Specifications

BATTERY	Battery Module	2	3	4	5	5+5+5
	Depth of Discharge (Max)	98%				
SYSTEM	Battery System Capacity (kWh)	8,8	13,2	17,6	22	66
	Voltage Range (Vdc)	46.5 ~ 58.4				
COMMUNICATION	Communication	Rs485, CAN, RS232, Wi-Fi (with External Device)				
BASIC PARAMETERS	Storage Temperature	Up to 6 six months without recharging ( see manual )				
	Dimensions (D × W × H) (mm)	580 × 492 × 310	580 × 492 × 465	580 × 492 × 620	580 × 492 × 775	3 × (580 × 492 × 775)
	Weight (Kg)	92 kg	138 kg	184 kg	230 kg	690 kg
	IP Rating	IP20				
	Standard Working Temperature Range	25 °C ± 10°C				
	Humidity	5 % ~ 95 % non-condensing				
	Altitude	< 3000 m				
	Expected Cycle Life @ STC	> 6000 (25 °C) 80% DoD				
	Standards	CB/ IEC62619 / IEC62368-1 / CE / EMC/ UN38.3				
	Monitoring	External Wi-Fi monitoring Dongle suitable for single battery or cluster				

Upper view  
Suggested installation with connection terminal facing up



492mm  
(19.37 in)

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