

NEW  
PRODUCT  
5K3-EVO

The  
Evolution  
of the  
Revolution

**WECO**



# 5K3 - EVO

## DUAL VOLTAGE OUTDOOR MODULE

One Battery, Two Voltages - Total Power, Total Freedom.

EURO E



1C

Charge Discharge



# 5K3-EVO

## SINGLE MODULE DUAL VOLTAGE OUTPUT

### Specifications

BATTERY	Module Capacity (kWh)	5,22
	Single Module Nominal Voltage (VDC)	51.2
	Application	Dual Voltage
	Modules Expandability	LV Mode: Max 15 Modules in Parallel / 105 with HUB LV HV Mode: 17 in series / 170 with HUB HV
	Voltage Range (VDC)	47,5 - 56,8
	BMS Dynamically Adjusts the Operating Values	
SYSTEM	Capacity (Ah)	102 (Cell Capacity 108 Ah)
	Usable Capacity at max DoD (Wh)	5115 Wh
	Dimensions (mm)	680 x 440 x 160
	Weight (kg)	50
	Charge / Discharge Peak (A)	100
	Recommended Working Conditions *	0.5C 90% DoD
COMMUNICATION	DoD	Up to 98%
	Communication Port	RS485, CAN, RS232
	Communication Accessories (For Master Only)	Wi-Fi / Bluetooth Integrated
	Modules in Series Connection	Up to 17 Modules and up to 10 clusters in parallel
	Modules in Parallel Connection	Up to 15 Modules and up to 7 clusters in parallel
	Discharge Temperature (°C) **	-20 ~ +60 °C
BASIC PARAMETERS	Charge Temperature (°C) **	-10 ~ +55 °C
	Shelf Temperature (°C) **	0 ~ +45 °C
	Ingress Protection	IP 66 (HV) / IP64 (LV)
	Humidity (%)	5 ~ 95 %
	Elevation (m)	< 3000
	Design Life	10 Years (25°C)
SAFETY STANDARDS	Expected Life Cycles	> 7000 (25°C)
	Standards	IEC62619; UL1973; CE; IEC 61000; UN38.3;
	Features	Auto Balancing BMS, 16 Channels Equalizer, Module Local Monitoring.
	Protections	Fuse: 150 A / 60 VDC Contactor 150A/60vdc
	Notes	Real-time Balancing, Adaptive Charge/Discharge CAN Logic, Three Steps Adaptive Charging Logic, 2xdi/DO Programmable Ports, Mobile App For Monitoring, Control, Debugging, Firmware Update, And Historical Information.



\* Refer to the warranty document for the warranted performance.

\*\*The temperatures mentioned above are limited to BMS ranges, these values may not be covered by the performance warranty.

We recommend that you contact WeCo for the most up-to-date datasheet, read the warranty and manual before making any purchase decisions.

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All data is subject to change without notice.

## FEATURES



### INTEGRATED HEATING SYSTEM FOR COLD CLIMATES

State-of-the-art heating system keeps battery cells above minimum temperatures, ensuring consistent performance even in persistently cold conditions.



### ADVANCED FIRE SUPPRESSION SYSTEM

Safety always comes first! Each battery module is equipped with a sophisticated fire suppression system, providing unparalleled security and peace of mind.



### HIGH VOLTAGE SCENARIOS

Min. 2 Modules + HV BOX.  
Max. 17 Modules /1000Vdc.

Total 10 Clusters of 17 Batteries  
**887 kWh.**



### LOW VOLTAGE SCENARIOS

From 1 Single Module.  
Max. 15 Modules per Cluster.

Total 7 Clusters of 15 Batteries  
**548 kWh.**



Vertical stack installation up to 8 modules.

Lock the battery modules with the brackets provided and bind the batteries to the wall with suitable mechanical supports.

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## FEATURES

IP 66

DUAL VOLTAGE  
WALL MOUNTED  
FLOOR MOUNTED  
INTEGRATED WIFI & BLUETOOTH

The Next  
Generation  
**BATTERIES** are  
here and they  
are WeCo.



The next generation of  
DUAL VOLTAGE MODULE  
batteries offers scalable,  
weather-resistant energy  
storage, perfectly suited  
for solar applications  
where reliability and  
flexible voltage support  
are essential.

## CERTIFICATES

**WECO**

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