

WECO

5K2 TOWER

**MODEL
YEAR
2026**

MODULE CAPACITY 5.1kWh

HIGH VOLTAGE IP20 MODULE



**TOTAL
POWER.
TOTAL
FREEDOM.**

Specifications

BATTERY	Module Capacity (kWh)	5,1
	Single Module Nominal Voltage (VDC)	51.2
	Application	High Voltage
	Modules Expandability	HV Mode: 16 in series
	Voltage Range (VDC)	47,5 - 58,8
	Capacity (Ah)	BMS Dynamically Adjusts the Operating Values
	Usable Capacity (Wh)	100 Ah
	Dimensions (mm)	5220 Wh
	Weight (kg)	540 * 440 * 160
	Charge / Discharge Peak (A)	50
SYSTEM	Recommended Working Conditions	100
	DoD	0.5C 90% DoD
	Communication Port	Up to 98%
COMMUNICATION	Communication Accessories (For Master Only)	RS485, CAN, RS232
	Modules in Series Connection	Wi-Fi / Bluetooth Dongle
	Clusters Parallel Connection	Up to 16 Modules and up to 10 clusters in parallel
	Discharge Temperature (°C)**	Up to 7 clusters in parallel
BASIC PARAMETERS	Charge Temperature (°C)**	-20 ~ +60 °C
	Shelf Temperature (°C)**	-10 ~ +55 °C
	Humidity (%)	0 ~ 45 °C
	Elevation (m)	5 ~ 95 %
	Design Life	< 3000
	Expected Life Cycles EOL 70%	10 Years (25°C)
	Standards	> 7000 (25°C)
	Features	IEC6219; UL1973; CE; IEC 61000; UN38.3;
	Protections	Auto Balancing BMS, 16 Channels Equalizer, Module Local Monitoring.
	Notes	Fuse: 150 A / 1000VDC
SAFETY STANDARD		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.



IP 20 Certified

Built to withstand against solid objects and water, IP66 ensures reliable performance in any environment



Heating System

Our built-in cutting-edge heating system keeps the battery cells above critical temperatures, performance even in freezing conditions



Fire Suppression

Each SK2 module comes equipped with a sophisticated fire suppression system, offering unparalleled safety and peace of mind.





5K2 TOWER

Powering a greener, smarter future

Plug & Play
Integration



Easy Installation with a Cable-less connection

Stackable
Energy



Add upto 12 modules as energy demand grows

Intelligent
Monitoring



APP Noor
Make your life easier

5K2 MODULE

**Compact
Modular
Energy**



*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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5K2 TOWER

HIGH VOLTAGE IP20 MODULE

NooR APP MAKE YOUR LIFE EASIER

WeCo mobile app offers convenient and out-of-the-box monitoring of WeCo Energy Storage Systems, allowing users to manage everything with just a few taps.



WECO

WeCo Srl a Socio Unico
Viale J. F. Kennedy 113-121
50038 Scarperia e San Piero
Firenze, Italy

weco@wecobatteries.com
www.wecobatteries.com

Download on the
App Store

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