

WECO

5K2 TOWER

MODULE CAPACITY 5.1kWh

**MODEL
YEAR
2026**

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 Expandibility	HV Mode: 16 in series
	Voltage Range (VDC)	47,5 - 56.8 BMS Dynamically Adjusts the Operating Values
	Capacity (Ah)	100 Ah
	Usable Capacity (Wh)	5220 Wh
	Dimensions (mm)	540 * 440 * 160
	Weight (kg)	50
	Charge / Discharge Peak (A)	100
SYSTEM	Recommended Working Conditions	0.5C 90% DoD
	DoD	Up to 98%
	Communication Port	RS485, CAN, RS232
COMMUNICATION	Communication Accessories (For Master Only)	Wi-Fi / Bluetooth Dongle
BASIC PARAMETERS	Modules in Series Connection	Up to 16 Modules and up to 10 clusters in parallel
	Clusters Parallel Connection	Up to 7 clusters in parallel
	Discharge Temperature (°C)**	-20 ~ +60 °C
	Charge Temperature (°C)**	-10 ~ +55 °C
	Shelf Temperature (°C)**	0 ~ +45 °C
	Humidity (%)	5 ~ 95 %
	Elevation (m)	< 3000
	Design Life	10 Years (25°C)
SAFETY STANDARD	Expected Life Cycles EOL 70%	> 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 / 1000VDC
	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.



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 5K2 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

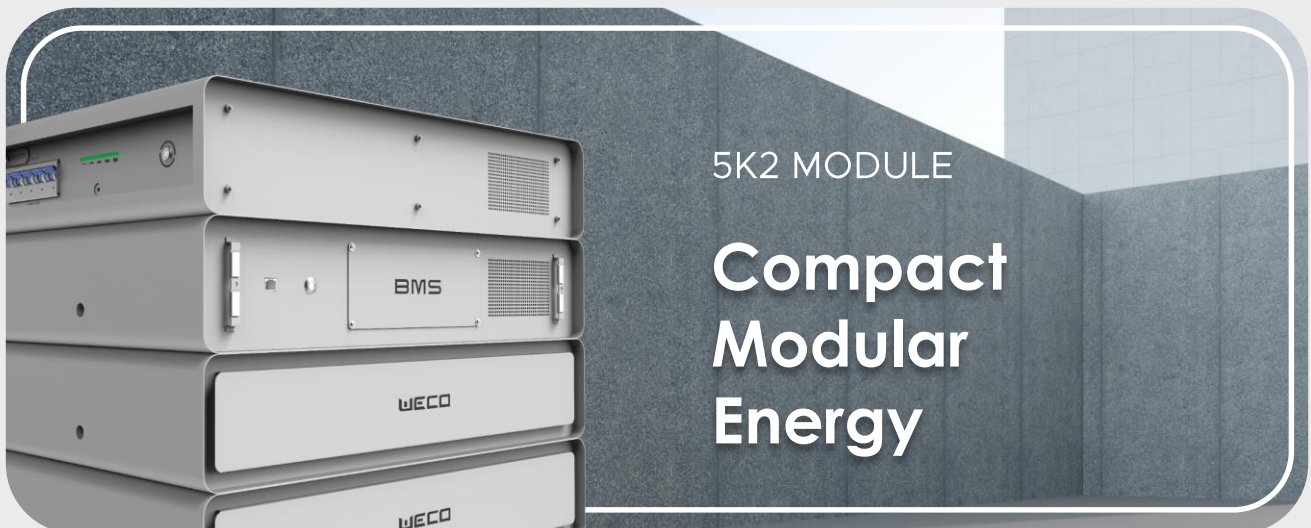


Add upto 12 modules as energy demand grows

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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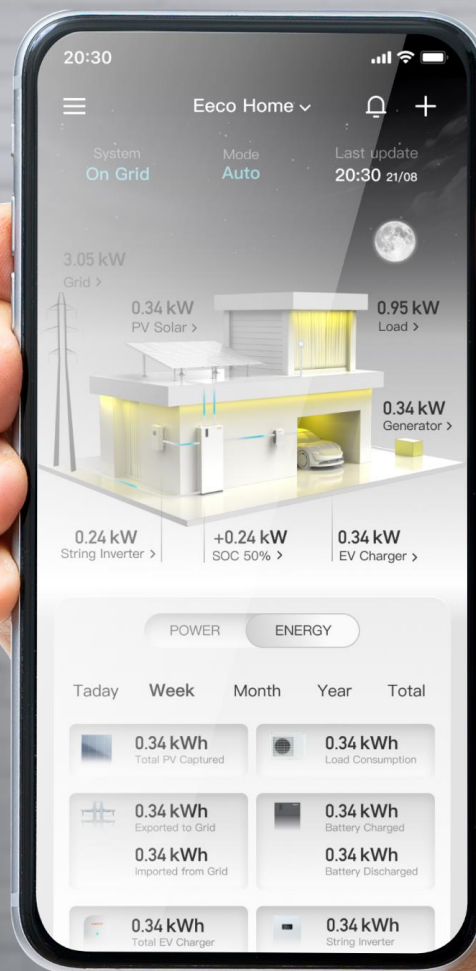
All data is subject to change without notice.

SK2 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

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