

**NEW  
PRODUCT**



**WECO**



Easy.  
Flexible.  
Compact.

# SKO SMART SERIES

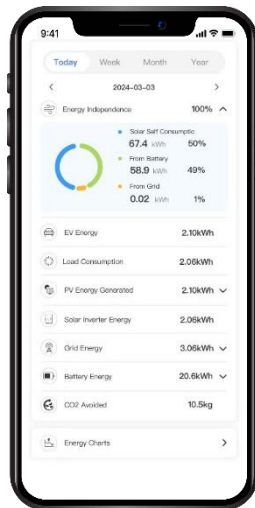
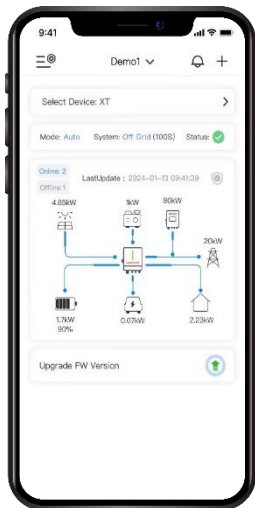
## SINGLE-PHASE SYSTEM ALL IN ONE

Make your home green with cutting-edge technology for long-term energy independence

Il WeCo trademark and logo **WECO** are registered by WeCo Srl (Italy)  
The LCA cycle is currently underway for the complete system

# Energy at your fingertips

WeCo Cloud Platform

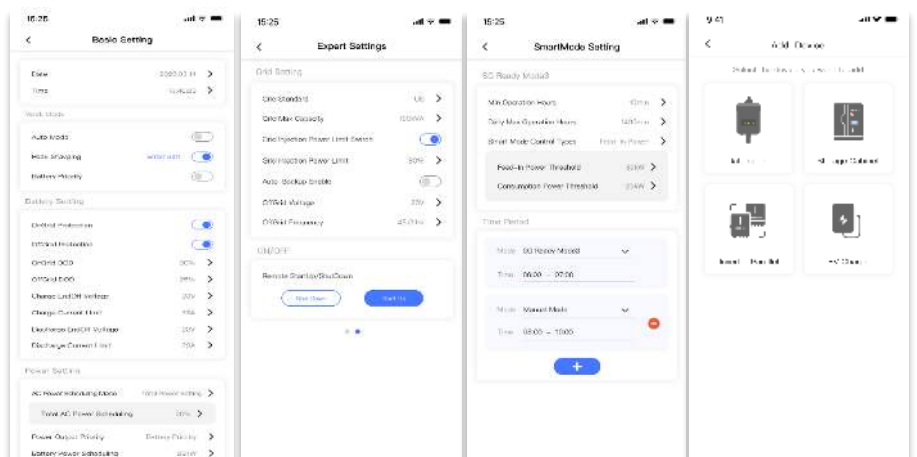


## EASY AND INTUITIVE

The wizard allows you to add new devices at any time with just a few clicks. Inverter or EV Charger can be added to the synoptic in one click

## ALL FUNCTION AT YOUR FINGERTIPS

With the NOOR App, the installer has access to all inverter settings even remotely. Technical support from the WeCo team accessible directly from the APP





## CARATTERISTICHE



### IP66 CERTIFIED FOR OUTDOOR INSTALLATIONS\*

Designed to challenge every season, the SMART series is your ally for energy security. With its IP66 rating, it ensures dust tight and water-resistant, ensuring maximum performance in harsh conditions.



### PLUG & PLAY

Easy installation, only 20 minutes in two people, no manual configuration and no cable between inverter and batteries, everything is plug and play. Error-proof and final self-check installation method via NooR App using the Commissioning Wizard Wizard... even remotely!



### 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.

Sheltered, See manuals\*



Without dynamic control heating cells would operate at temperatures that are too low

With Dynamic Heating Control, the cells operate at optimal temperature

Independently activated battery-level fire suppression system



## FEATURES



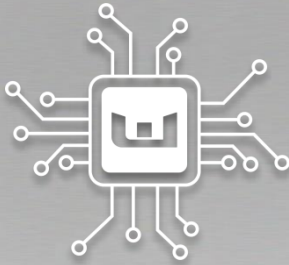
### STRUCTURE ANTI-SEISMIC

The battery exhibits exceptional resilience to seismic activity, ensuring uninterrupted power supply and system reliability during earthquakes



### POWER AND MODULAR CAPACITY

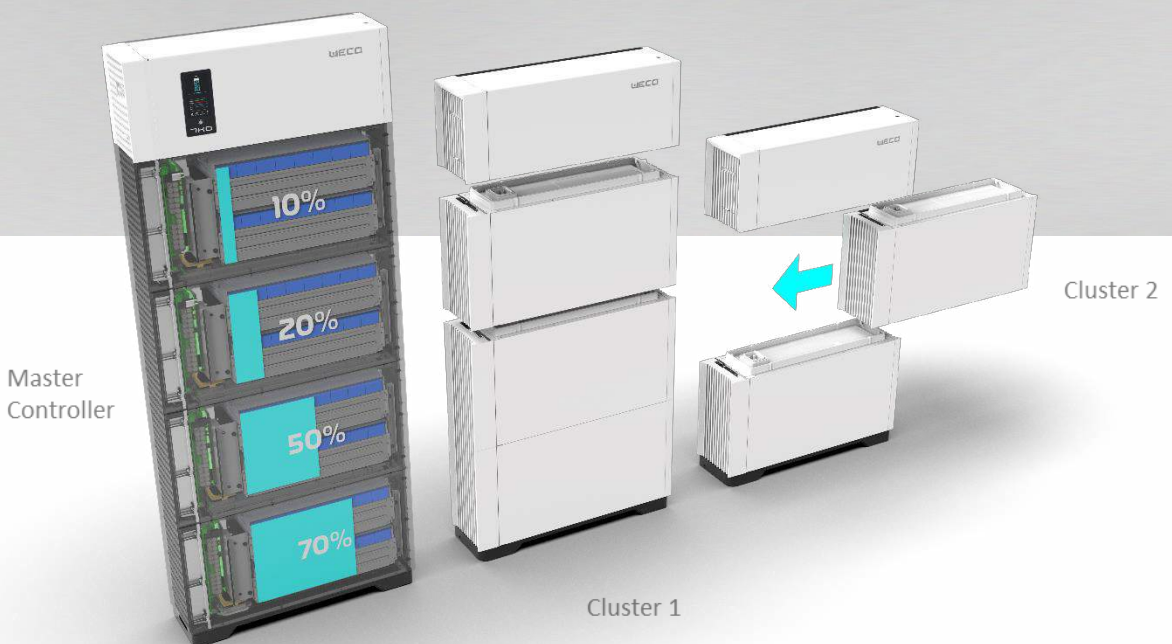
Expand effortlessly! Connect up to 4 modules in parallel to form a cluster and connect up to 3 towers for a total of 12 modules. The SMART series offers a flexible, scalable, high-capacity energy storage solution that adapts to your evolving needs



### ALWAYS BALANCED CLUSTER

### EASY EXPANDABILITY AT ANY TIME

- Plug and Play expansion with Master controller
- Up to 12 modules per cluster
- Add forms at any time
- Plug & Play Configuration



Experience unmatched durability, safety and flexibility with the 5K0 SMART battery, your perfect partner for sustainable and high-efficiency energy storage.



# 5K0 SMART

## SINGLE PHASE INVERTER (EU)

PV oversizing of up to 200% of AC power\*

### Datasheet

	Model	5K0 SMART	5K0 SMART EU	5K0 SMART EU	5K0 SMART EU	5K0 SMART	5K0 SMART EU
		EU 3.0K	3.6K	4.0K	4.6K	EU 5.0K	6.0K
INVERTER	Inverter 230 VAC Single Phase	3.0 kW	3.6kW	4.0kW	4.6 kW	5.0kW	6.0kW
	Expandibility	Up to 4 battery modules per inverter, Up to 4 inverters in one system in parallel.					
BATTERY	Chemistry	LiFePO4 (LFP)					
	Capacity	100Ah					
	Operating Temperature	-15°C + 45°C**					
	Heating System	Module-level integrated					
	Fire Suppression	Module-level integrated					
	Booster Nominal Voltage	430V (Booster)					
	Operating voltage range	420-450V					
	Single Battery Power	2.5kW ( picco 3.5kW)					
SOLAR	Protocol	WECCO CAN					
	Maximum Power Input PV Inverter	6kW	7.2kW	8kW	9.2kW	10 kW	
	Maximum Voc voltage MPPT channel	580 VDC					
	PV Start In	125 VDC					
	PV Cut Off	80 VDC					
	MPPT Operating Voltage	80 VDC – 520 VDC					
	MPPT Number	2					
	Maximum Current for MPPT	16A					
AC INPUT/OUTPUT (ON-GRID)	Short Circuit Current MPPT	20A					
	PV Power vs AC Output Ratio	2*					
	Inverter AC Voltage	230 Vac L/N/PE, Single Phase					
	Frequency	50 / 60 Hz ± 5 Hz					
	Rated Power Output	3kW	3.6 kW	4.0kW	4.6 kW	5 kW	6kW
	Rated Current	13.0A	15.6 A	17.3A	20.0A	21.7A	26.0A
	Bypass Power	6 kW	7.2 kW	8 kW	9.2 kW		
	Bypass Current	26.0 A	31.3 A	34.7 A	40.0 A		
AC OUTPUT (OFF-GRID)	EPS Output Voltage	230 VAC L/N/PE, Monofase					
	Frequency	50 / 60 Hz ± 5 Hz					
	EPS Output Power	3.0 kW	3.6kW	4.0kW	4.6 kW	5kW	6kW
	EPS Output Current	13.0 A	15.6A	17.3A	20.0 A	21.7A	26.0A
	EPS Output Voltage	230 VAC					
	EPS Tension Range	202.4-253 VAC					
	Frequency	50 / 60 Hz ± 5 Hz					
	Power factor	0.8 (leading)~0.8 (lagging)					
AC BATTERY OUTPUT (BACK-UP)	THDI	< 2% (Rated Power)					
	THDI	2.5 kVA					
	EPS output power if there is only one battery	2.5 kVA					
	EPS output power if two batteries are present	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	
	EPS output power if three or four batteries are present	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
	Overload power 10s with one battery	3.6kW					
	Overcharge power 10s with two batteries	4.5 kVA	5.4 kVA	6 kVA	6.9 kVA	7.2 kVA	
	Overcharge power 10s with three-four batteries	4.5 kVA	5.4 kVA	6 kVA	6.9 kVA	7.2kVA	7.5kVA
GENERAL PARAMETERS	EPS output voltage rating	230 VAC					
	Frequency	50 / 60 Hz ± 5 Hz					
	EPS switching time	Min 5ms Avg 15ms					
	THDI	< 2% (rated power)					
	European efficiency	97%					
	Maximum Efficiency	98%					
	Protection	IP66					
	Noise	<50 dB @1m					
Inverter Weight / Dimensions mm	23kg / 640x420x210						
Battery Weight / Dimensions mm	53 Kg / 630x340x210						
SECURITY AND COMPLIANCE	Installation	Parete/Pavimento/ Mensola					
	Altitude	9,843 ft / 3,000 m					
	Operating Temperature (Ambient)	-20~50°C/-4~122°F Inverter and/or batteries will reduce power when reached 40°C					
	Humidity	0 - 95% RH (non-condensing)					
	Portal and APP	WeCo NooR APP					
	Interface	APP and LCD					
	Standards						
	Safety	Heating system, Fire protection, Dynamic control of charge-discharge power, Module insulation					
LIMITED WARRANTY	Security and network standards	IEC / EN 62109-1, IEC / EN 62109-2, IEC / EN 62477-1, IEC / EN 62619-1, IEC 60730 Annex H, IEC 60529, VDE 2510-50, UN 38.3					
	EMC	IEC 61000-6-3, IEC / EN 61000-6-1					
	Efficiency	IEC 61683					
	Network Specifications	NTS 2.1 Type (A), UNE 217001, UNE 217002, RD 244, RD 647, CEI 0-21, VDE-AR-N 4105, DIN VDE V 0124-100, G99 type A, UKCA					
NOTE	Limited Warranty	10-year performance warranty 7000 cycles 80% DoD					
	System Warranty	10-year performance warranty 7000 cycles 80% DoD					
NOTE	Note*	For details, see warranty terms and manuals					
	Note**	Depending on the battery configuration, each battery can provide a maximum output of 2.5 kW					

GENERAL PARAMETERS	European efficiency	97%
	Maximum Efficiency	98%
	Protection	IP66
	Noise	<50 dB @1m
	Inverter Weight / Dimensions mm	23kg / 640x420x210
	Battery Weight / Dimensions mm	53 Kg / 630x340x210
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	System Warranty	10-year performance warranty 7000 cycles 80% DoD
NOTE	Note*	For details, see warranty terms and manuals
	Note**	Depending on the battery configuration, each battery can provide a maximum output of 2.5 kW

\* The 6kW model supports 10KW of PV at most.

\*\*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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# Battery 5K0 & 7K0

## Specifications

## Coming soon

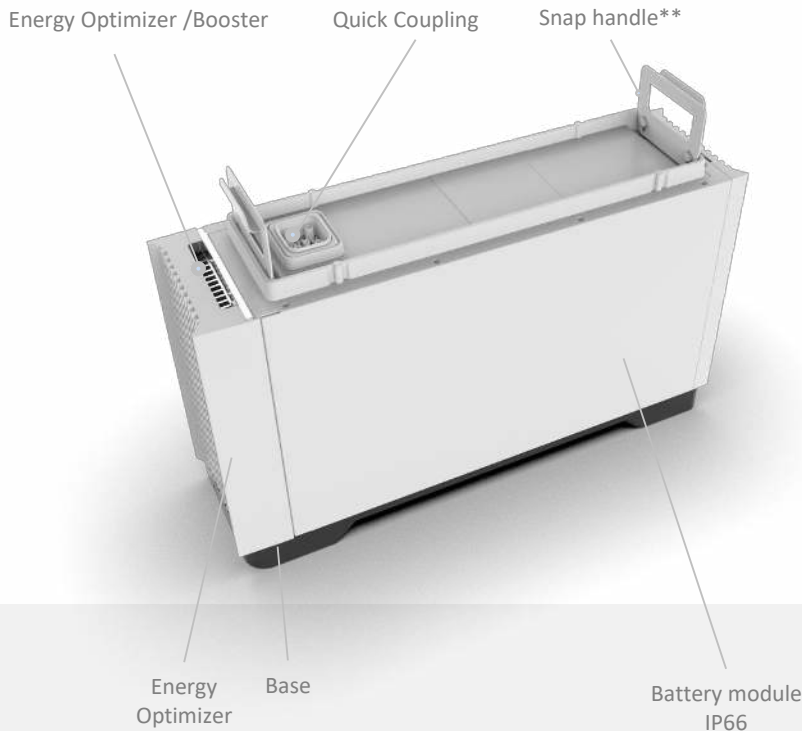
GENERAL PARAMETERS	Battery chemistry	LiFePO4 (LFP) 5K0	LiFePO4 (LFP) 7K0
	Nominal capacity	5,12 kWh	7.0 kWh
	DOD**	Fino al 100%	Fino al 100%
	Voltage rating	430Vdc	430Vdc
	Weight	50kg	65Kg
	Dimension	669 x 185 x 340 mm	669 x 185 x 340 mm
	Maximum altitude	9,843 ft / 3,000 m	
	BMS Operating Temperature	-20°C~50°C / -4~122°F	
	Storage Temperature	Up to 6 months without charging (see manual for details)	
	Operating humidity	0 - 95% RH (senza condensa)	
	Certifications	*UL 9540A, UN 38.3, IEC 62619, IEC 60730, IEC 62040-1	

## NOTE

Test conditions: 100% depth of discharge (DoD), 0.5C charge and discharge power at 25°C, at the beginning of service life.

The weight of the battery module may vary between markets, with a tolerance of +3%.

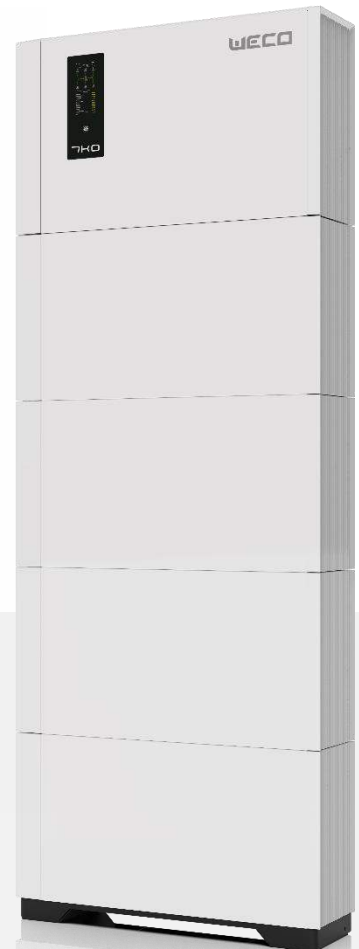
\*Certification in progress, more available on request \*\* See warranty conditions



### Easy to install:

Ergonomic handles with each system improve user comfort and ease of deployment, ensuring an easy and efficient setup process.

**A 3-element tower can be installed in just 20 minutes**



**7K0 PRO**

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\*\* Depending on the target market, the battery and handle design may vary in design and interlocking concept.

wecobatteries.com

## FEATURES

### SAFETY

Integrated Fire Suppression System, Multi-Level Protection, 5-Level BMS Protection

### RELIABLE

LFP battery, IP66-rated design, built-in battery heating module.

### QUICK INSTALLATION

Stackable modular design, adaptive plug & play self-configuration.

### SCALABILITY

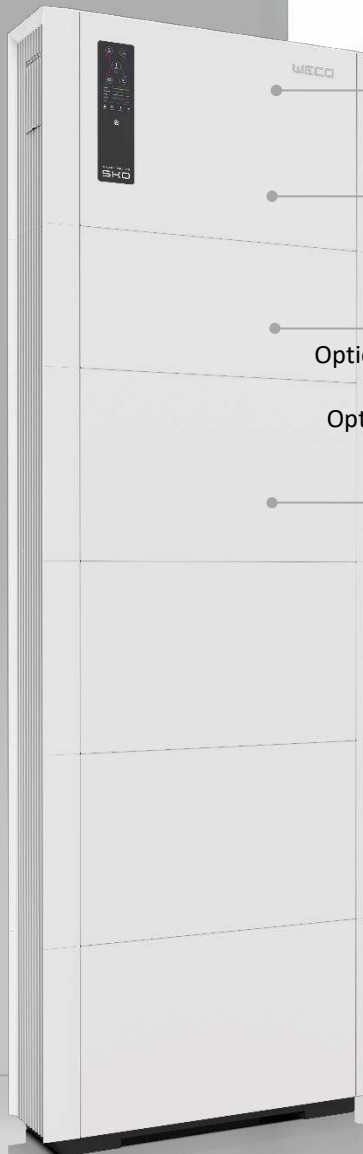
Scalable up to 12 modules  
Up to 100% DoD Exploitable  
Module-level energy optimization, capacity expansion at all times.

### EXPANSIONS

DC Charging Module for Electric Vehicles, MPPT Expansion Module to Maximize Solar Production

### EASY TO USE

LCD display on both the 'app and on the web portal interface for easy access.



DC AC ratio up to 200% PV

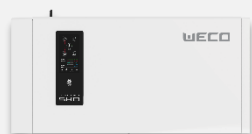
Inverter All-In-One 3 ~ 6 kW

Optional MPPT expansion module 6 kW

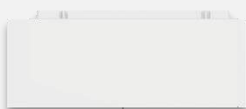
Optional V2H module for EV chargers\*

Battery module  
5.1 kWh / 430 VDC

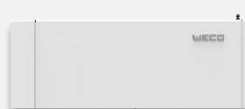
## 5K0 SMART SYSTEM



Inverter AC/DC



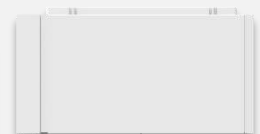
MPPT Expansion  
Module



Caricabattery  
DC EV V2H



Controller  
HV

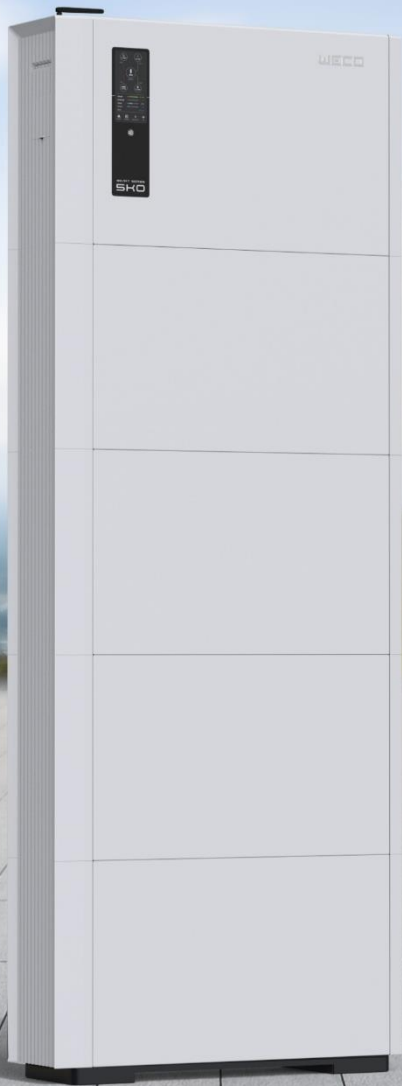


Battery module 5,1  
/ 7.0 kWh



AC EV  
Charger

\*V2H module not yet available in Italy



ENVIRONMENT  
**SMART-PLATFORM**  
Total Integration  
with WeCo  
devices



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