

NEW
PRODUCT



WECCO



Easy.
Flexible.
Compact.

SK0 SMART SERIES

SINGLE-PHASE SYSTEM ALL IN ONE

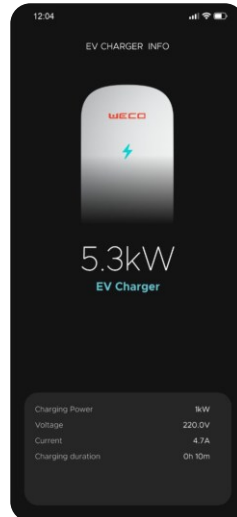
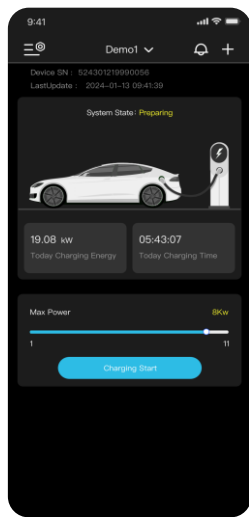
Make your home green with cutting-edge technology for long-term energy independence.

Il WeCo trademark and logo **WECCO** 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.

AI MODE maximizes profits from dynamic tariffs

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!



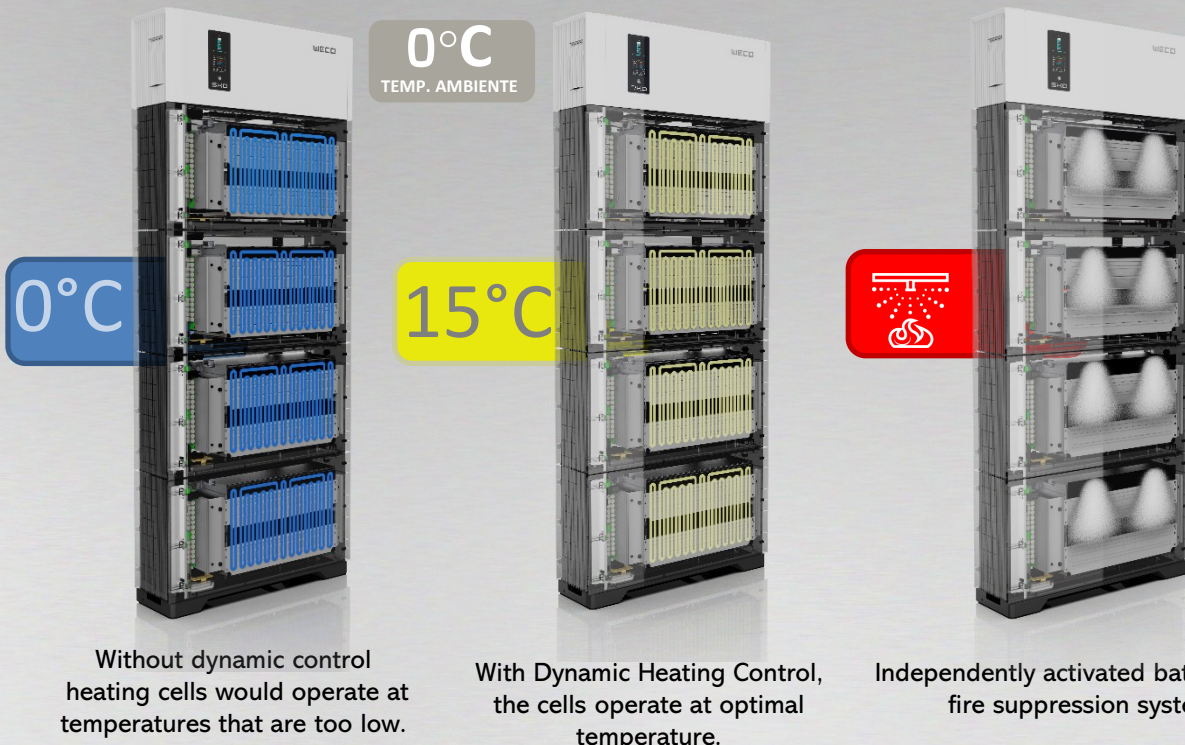
INTEGRATED HEATING SYSTEM FOR COLD CLIMATES

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.



0°C

0°C
TEMP. AMBIENTE

15°C



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



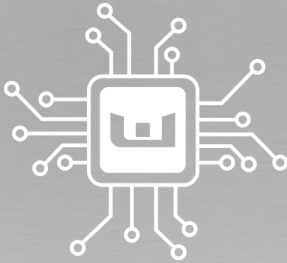
STRUCTURE ANTI-SEISMIC

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



POWER AND MODULAR CAPACITY

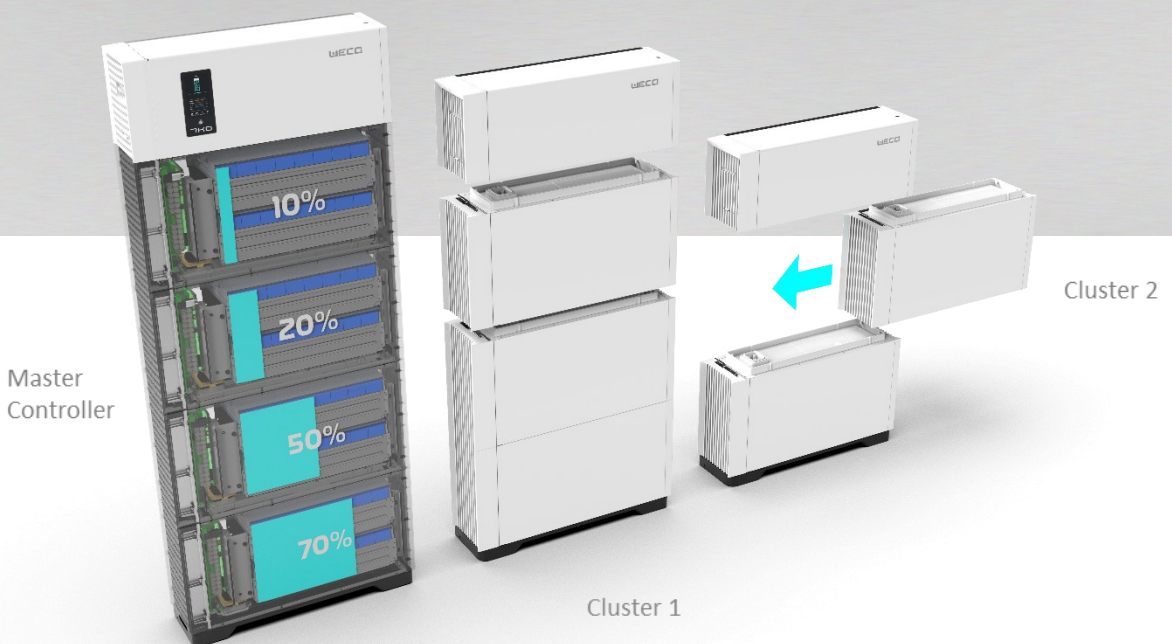
Expand effortlessly! Connect up to 4 modules in parallel to form a cluster and connect up to 3 towers for a total of 12 modules. The SMART series offers a flexible, scalable, high-capacity energy storage solution that adapts to your evolving needs.



ALWAYS BALANCED CLUSTER

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

EASY EXPANDABILITY AT ANY TIME



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

	5K0 SMART EU 3.0K	5K0 SMART EU 3.6K	5K0 SMART EU 4.0K	5K0 SMART EU 4.6K	5K0 SMART EU 5.0K	5K0 SMART EU 6.0K
INVERTER	Model					
	Inverter 230 V AC Single Phase					
BATTERY	Expandability					
	Up to 4 battery modules per inverter, Up to 4 inverters in one system in parallel.					
	Cell Type					
	LiFePO4 (LFP)					
	Capacity					
	100Ah					
	Operating Temperature					
	-15°C + 45°C**					
	Heating System					
	Module-level integrated					
SOLAR	Fire Suppression					
	Module-level integrated					
	Booster Nominal Voltage					
	450 V (Booster)					
	Operating voltage range					
	420-450V					
	Single Battery Power					
	2.5kW (picco 3.5kW)					
	Protocol					
	WECC CAN					
AC INPUT/OUTPUT (ON-GRID)	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					
AC OUTPUT (OFF-GRID)	MPPT Number					
	2					
	Maximum Current for MPPT					
	16A					
	Short Circuit Current MPPT					
	20A					
	PV Power vs AC Output Ratio					
	2*					
	Inverter AC Voltage					
	230 V AC L/N/PE, Single-Phase					
AC BATTERY OUTPUT (BACK-UP)	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		
GENERAL PARAMETERS	EPS Output Voltage					
	230 V AC L/N/PE, Single-Phase					
	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 V AC					
SECURITY AND COMPLIANCE	EPS Tension Range					
	202.4-253 V AC					
	Frequency					
	50 / 60 Hz ± 5 Hz					
	Power factor					
	0.8 (leading)~0.8 (lagging)					
	THDI					
	< 2% (Rated Power)					
	EPS output power if there is only one battery					
	2.5 kVA					
LIMITED WARRANTY	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
NOTE	EPS output voltage rating					
	230 V AC					
	Frequency					
	50 / 60 Hz ± 5 Hz					
	EPS switching time					
	Min 5ms Avg 15ms					
	THDI					
	< 2% (rated power)					
	European efficiency					
	97%					
GENERAL PARAMETERS	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					
	Floor/Stack					
	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					
LIMITED WARRANTY	Interface					
	APP and LCD					
	Safety					
	Heating system, Fire protection, Dynamic control of charge-discharge power, Module insulation					
	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, IEC 61000-6-3, IEC / EN 61000-6-1, 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					
	Limited Warranty					
	Extendable up to 10 years					
NOTE	System Warranty					
	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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All data is subject to change without notice.

Battery

5K0

&

8K0

NEW

COMING SOON

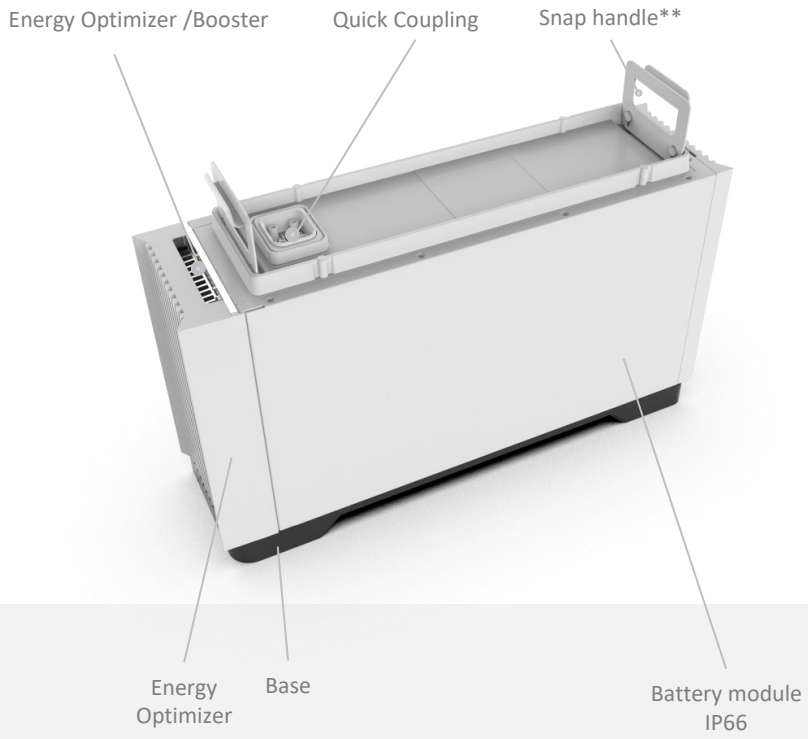
Specifications

GENERAL PARAMETERS	Battery Cell type	LiFePO4 (LFP) 5K0	LiFePO4 (LFP) 8K0
	Nominal capacity	5,12 kWh	8.0 kWh
	DOD**	Fino al 100%	Fino al 100%
	Voltage rating	450 V DC	450 V DC
	Weight	50kg	65Kg
	Dimensions	669 x 185 x 340 mm	669 x 255 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 (no condensing)	
	Certifications	*UL 9540A, UN 38.3, IEC 62619, IEC 60730, IEC 62040-1	

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%.

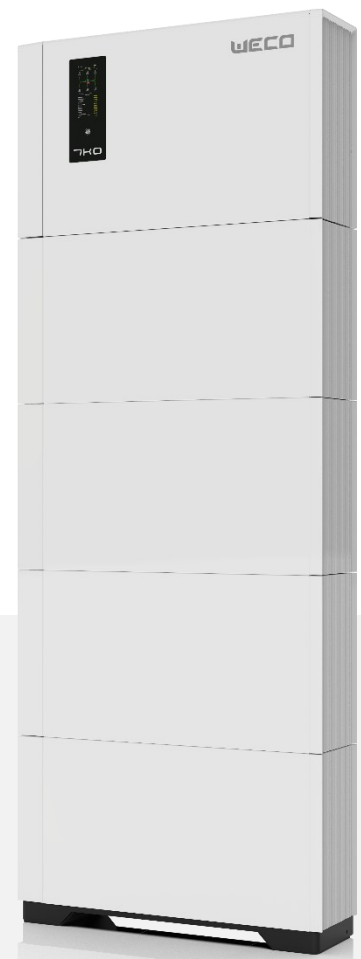
*Certification in progress, more available on request ** See warranty conditions



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



8K0 PRO

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

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

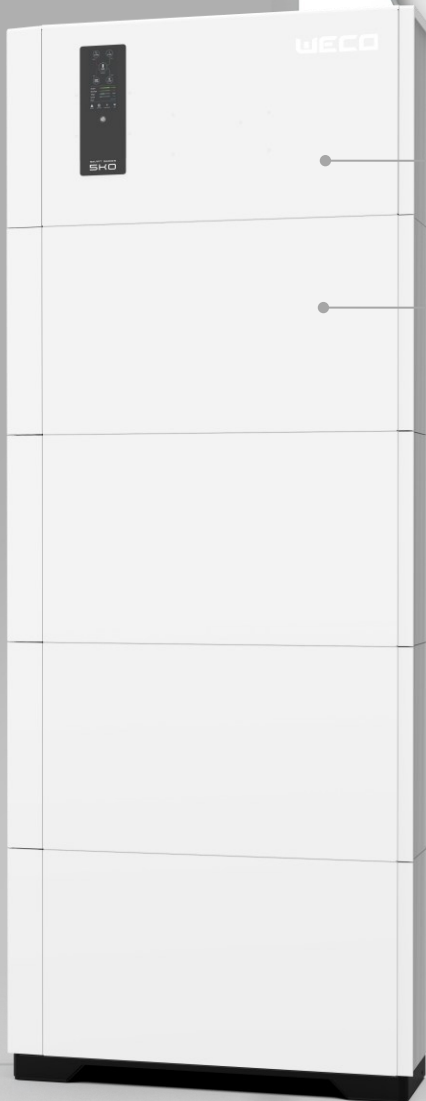
Scalable up to 12 modules
Up to 100% DOD Exploitable
Module-level energy optimization, capacity expansion at all times.

EXPANSIONS

No cycles and time limits for capacity expansion.

EASY TO USE

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

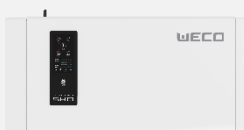


PV DC/AC Ratio up to 200% *
Inverter All-In-One 3 ~ 6 kW

Battery Module
5.1 kWh / 450 V DC



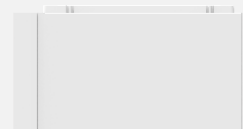
5K0 SMART SYSTEM



Inverter AC/DC



HV Slave Controller
(for parallel)



Battery module
5,1 / 8.0 kWh



AC EV
Charger



ENVIRONMENT
SMART-PLATFORM
Total Integration
with WeCo
devices

