



Neat.
Flexible.
Universal.

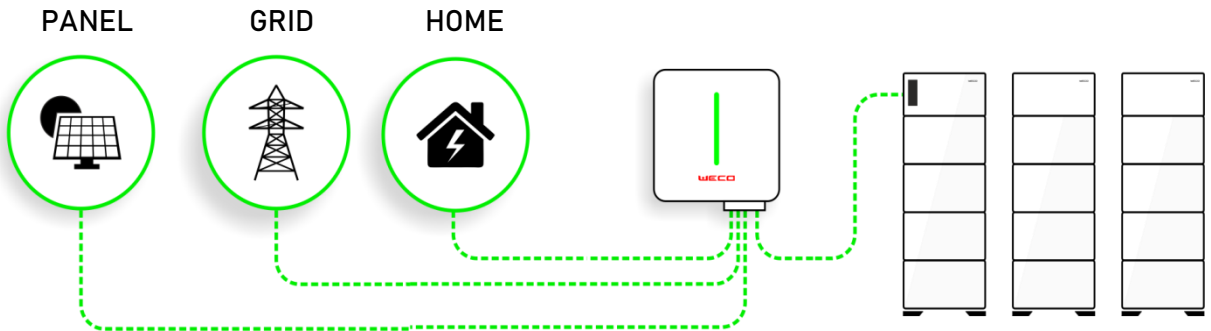
SKO PRO

IP66 ENERGY STORAGE SYSTEM

Future-proof your home with cutting-edge technology for long-term energy security

WeCo APP
MAKE YOUR
LIFE EASIER

Energy
at your
Fingertips



MAKE YOUR HOME GREEN

ELEVATE YOUR LIFESTYLE

Protect Our Planet: Green Smart Homes for a sustainable tomorrow.
Monitor and automatically manage your 5K0 PRO anywhere

5K0 PRO

RESILIENCE

Your Ultimate Solution for Extreme Conditions!



Unleash the Power of Outdoor Energy with the
5K0 PRO Battery

WECO

OPERATIONAL

High Voltage

450 VDC

3 x Cluster Peak Power

42 KW

3 x Cluster Capacity

60KW

Outdoor
installation



Ambient
Operative
Temperature

-10

+40 °C

Active Balancing
System at Pack Level





FEATURES



IP66 CERTIFIED FOR THE GREAT OUTDOORS

Designed to brave the elements, the 5K0 PRO is your all-weather ally. With its IP66 rating, it's dust-tight and water-resistant, ensuring peak performance in any outdoor scenario.



BUILT-IN HEATING SYSTEM FOR CHILLING CLIMATES

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



PLUG & PLAY

Easy installation, just 20 minutes in two persons, no set up is required and no cables between inverters and batteries, all is plug and play and cables less. Installation method error free and with final self check control made via APP using the Wizard commissioning Tool.

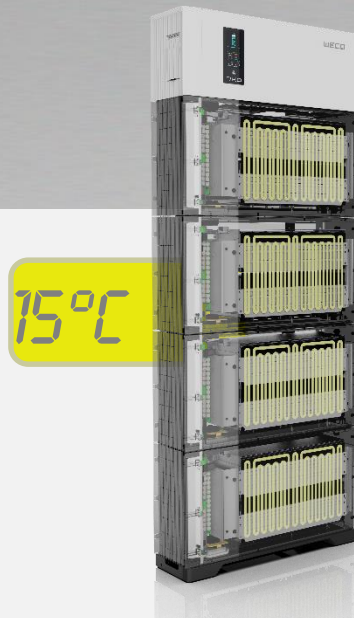


ADVANCED FIRE SUPPRESSION IN EVERY MODULE

Safety first and always!
Each 5K0 PRO module comes equipped with a sophisticated fire suppression system, offering unparalleled safety and peace of mind.



Without Dynamic
Heating control



With Dynamic
Heating control



Individual fire suppression system at
pack level when inner temperature is
over 160°C



FEATURES



SEISMIC PROOF STRUCTURE

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



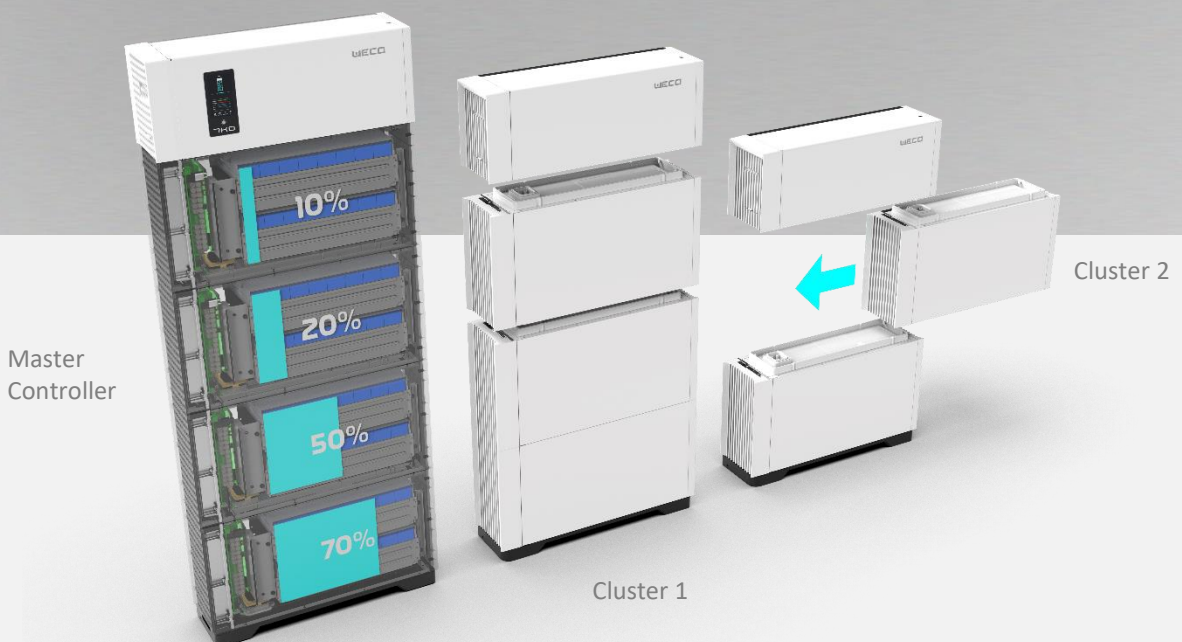
MODULARITY MEETS POWER

Scale up effortlessly! Connect up to 4 modules in parallel to form a cluster and link up to 3 clusters for a grand total of 12 units. The 5K0 PRO provides a flexible, scalable, high-capacity energy storage solution that adapts to your ever-changing needs.

- Plug and Play expansion with Master controller.
- Up to 12 modules and 60 kWh.
- Add Cluster Anytime, no time restriction.
- Plug & Play configuration, no settings required.

Cluster Always Balanced

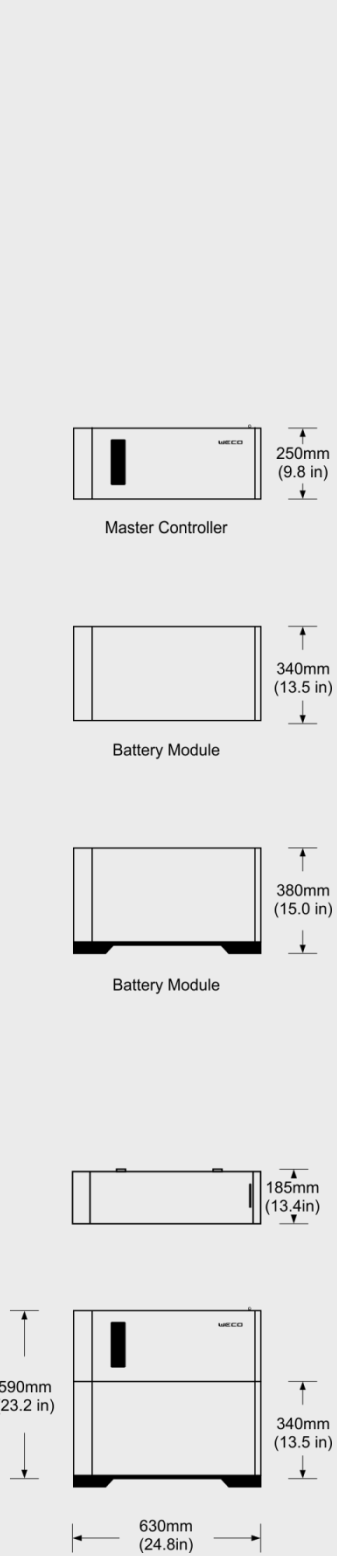
Easy Expandability at any time



5K0 PRO

ENERGY STORAGE SYSTEM

Specifications



HV – PACK SYSTEM	System Expandability	Up To 12 Batteries Per System (max. 3 Clusters)
	System Nominal Voltage	430 Vdc
	System Max. Current (Three Clusters Full Configuration)	6.0 ~ 72.0 A (6.0 A *12 HV-Pack Modules)
	System Protections	Auto Contactor, Fuse, EMS for Current, Voltage, Temperature and CAN BUS Communication
	Ambient Temperature Range	-5 °C +40 °C
	Fire Protection System Activation	165 °C +/- 5 °C
	Installation	Stackable/Floor or Wall Mounted
	Performance Warranty	10 years / 6000 cycles
	IP Rating	IP66
	Communication To Inverter	CAN BUS
HV – PACK MODULE & BATTERY	External Communication And Monitoring	WiFi Bluetooth (accessory IP66 antenna)
	Third Party Insurance	Italian Tier One Insurance
	Module Nominal Voltage	430-450 Vdc
	Module Voltage Range	400 ~ 450 Vdc
	Battery Type	LiFePO4
	Cell Capacity	100 Ah
	Total Capacity	5.12 kWh
	Charge Mode	CC - CV
	Standard Charge / Discharge Current	5.5 Adc / 5.5 Adc
	Max. Charge / Discharge Current	7.8 Adc / 7.8 Adc
DC /DC V-Booster Converter / Operations	Battery Inner BMS Protections	Over Charge / Over Discharge Over Temperature / Over Current
	Dimensions (W x D x H) (mm)	630 x 340 x 185 (24.8 in x 13.4 in x 7.3 in)
	Weight	52 Kg (114.64 lbs)
	Installaztion Method	Cableless Plug & Play stack
	System Type	DC/DC Converters, Isolated Buck / Boost
	Low Voltage Battery Side V / I Range	32 - 58.4 Vdc / 50 - 70 Adc
	High Voltage V-booster Side V / I Range	400 - 480 Vdc / 5.5 - 7.8 Adc
	Standard / Peak Power	2500 W / 3500 W
	BMS Operating Temperatures	-20 °C ~ +65 °C

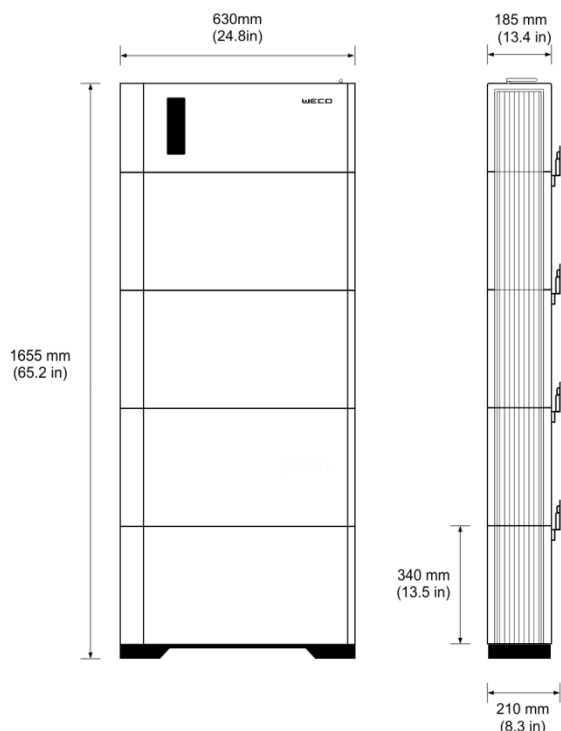
The above-mentioned temperatures are limited to the BMS ranges, such values may not be covered by the performance warranty. We recommend contacting WeCo for the most up-to-date datasheet, read warranty and manual before making any purchasing decisions. No part of this document can be copied or reproduced without WeCo written permission. All data is subject to change without prior notice.

5K0 PRO

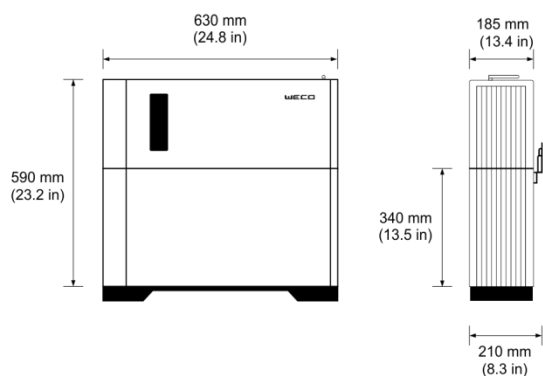
CONFIGURATIONS



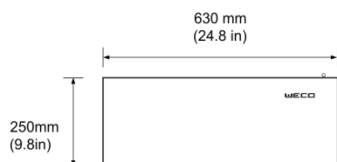
4 MODULES + MASTER CONTROLLER WITH DISPLAY



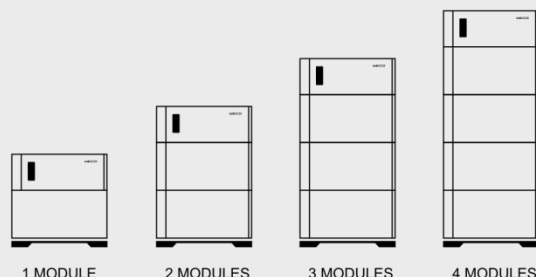
1 MODULE + MASTER CONTROLLER WITH DISPLAY



CLUSTER CONTROLLER (for expansion)



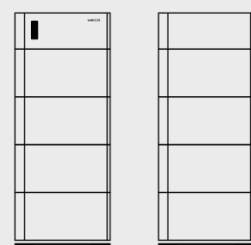
MASTER



1 MODULE 2 MODULES 3 MODULES 4 MODULES

5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
450 Vdc	450 Vdc	450 Vdc	450 Vdc

PARALLEL CONFIGURATION TWO CLUSTERS MASTER + CLUSTER 1



4 MODULES +
MASTER
CONTROLLER 4 MODULES +
CLUSTER
CONTROLLER

40.96 kWh
450 Vdc

PARALLEL CONFIGURATION THREE CLUSTERS MASTER + CLUSTER 2



4 MODULES +
MASTER
CONTROLLER 4 MODULES +
CLUSTER 1
CONTROLLER 4 MODULES +
CLUSTER 2
CONTROLLER

61.4 kWh
450 Vdc



WECO

FEATURES



FIRE FIGHTING SYSTEM

Built-in fire suppression kit, 4-layer system level protection, all-round BMS protection.



RELIABLE

LFP battery, IP66 rated design.



HEATING SYSTEM

Built-in battery heating module ensuring unwavering performance even in freezing conditions.



OUTDOOR INSTALLATION

Designed and ready to withstand various weather conditions.



AUTO BALANCING

System self-balancing logic with predictive algorithm.



EXPANSION MODULE

EV DC charging module MPPT expansion module.



USER-FRIENDLY

APP & web portal interface LCD display for easy access.



EV READY

EV charge and V2H ready.

SK0 PRO

ENERGY STORAGE SYSTEM

WECO

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