

WECO



Neat.
Flexible.
Universal.

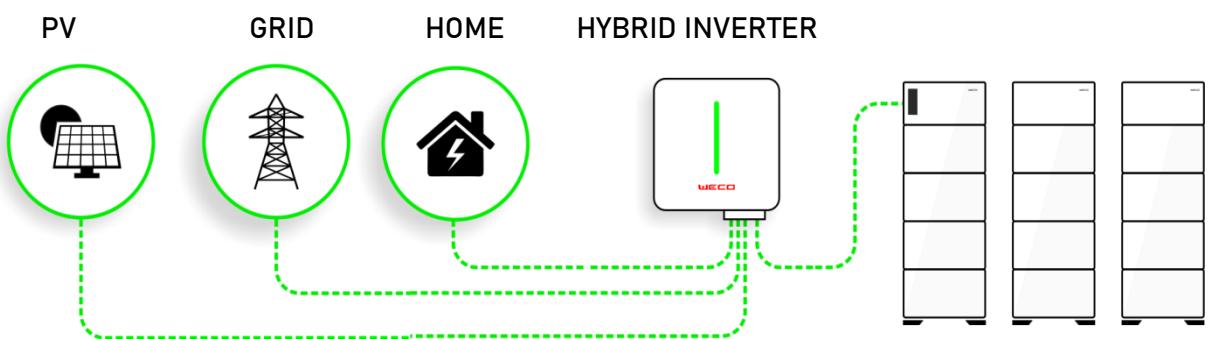
8K PRO

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 8K0 PRO anywhere

8K0 PRO

RESILIENCE

Your Ultimate Solution for Extreme Conditions!



WECO

OPERATIONAL

High Voltage

430 Vdc

3 x Cluster Peak Power

42 kw

3 x Cluster Capacity

96 kWh

Outdoor
installation



Ambient
Operative
Temperature

-10

+40 °C

Active Balancing
System at Pack Level



Unleash the Power of Outdoor Energy with the
8K0 PRO Battery

FEATURES

**IP66 CERTIFIED
FOR THE GREAT OUTDOORS**

Designed to brave the elements, the 8KO 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 8KO PRO module comes equipped with a sophisticated fire suppression system, offering unparalleled safety and peace of mind.



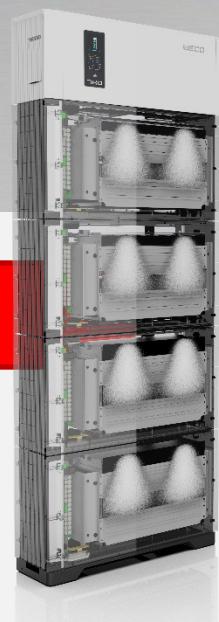
0°C

15°C



Without Dynamic
Heating control

With Dynamic
Heating control



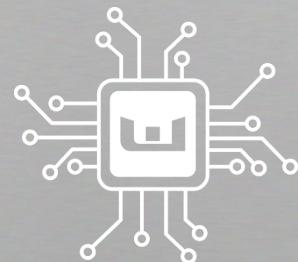
Individual fire suppression system at pack level when inner temperature is over 160°C

FEATURES



SEISMIC PROOF STRUCTURE

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

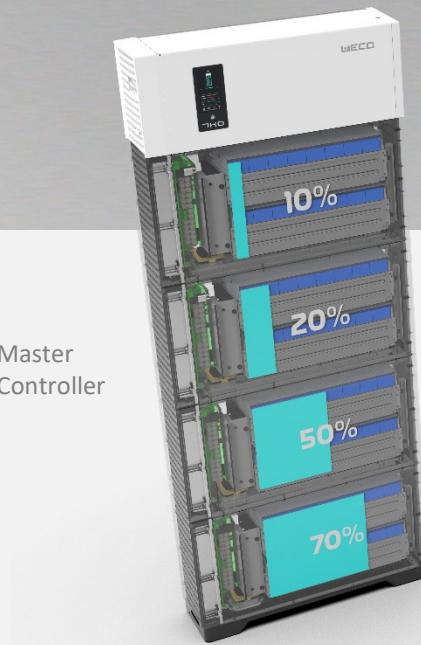


MODULARITY MEETS POWER

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 8KO 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 96 kWh.
- Add Cluster Anytime, no time restriction.
- Plug & Play configuration, no settings required.

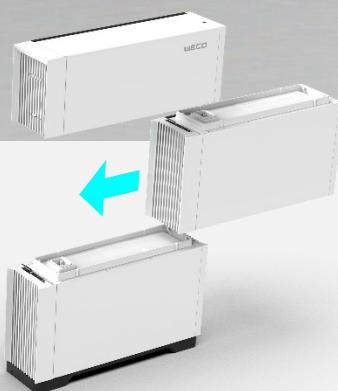
Cluster Always Balanced



Master Controller



Easy Expandability at any time



Cluster 2

Cluster 1

Experience unparalleled durability, safety, and flexibility with the 8KO PRO Battery – your perfect partner for sustainable, high-efficiency energy storage.

wecobatteries.com

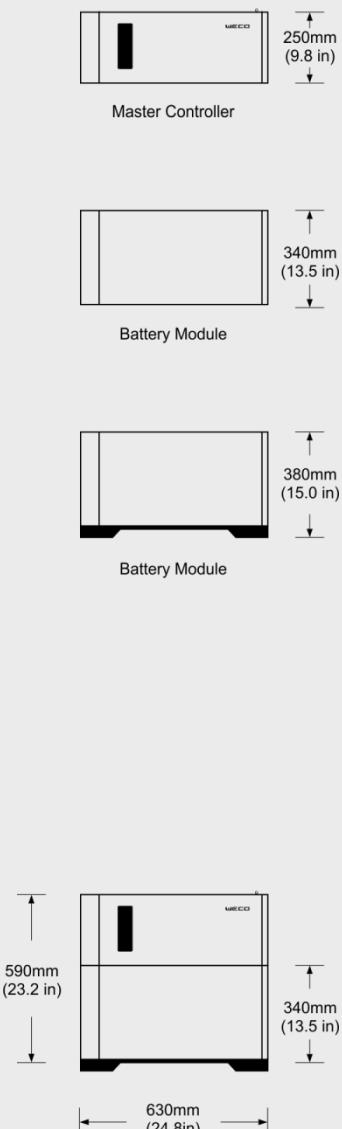
Specifications

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)	9.3 ~ 112 A (9.3 A *12 HV-Pack Modules)
	System Protections	Auto Contactor, Fuse, Breaker
	Ambient Temperature Range	-5 °C ~ +40 °C
	Fire Protection System Activation	165 °C +/- 5 °C
	Installation	Stackable/Floor
	Performance Warranty	10 years / 6000 cycles
	IP Rating	IP66
	Communication To Inverter	CAN BUS
HV – PACK MODULE & BATTERY	External Communication And Monitoring	Wi-Fi Bluetooth (accessory IP66 antenna)
	Module Nominal Voltage	430 - 450 Vdc (25.6 Vdc pre-DC/DC converter)
	Module Voltage Range	400 ~ 450 Vdc
	Battery Type	LiFePO4
	Cell Capacity	314 Ah
	Total Capacity	8.04 kWh
	Charge Mode	CC - CV
	Standard Charge / Discharge Current	9.3 A DC / 9.3 A DC
	Max. Charge / Discharge Current	15 A DC / 15 A DC
	Battery Inner BMS Protections	Over Charge / Over Discharge Over Temperature / Over Current
DC / DC V-Booster Converter / Operations	Dimensions (W x D x H) (mm)	630 x 340 x 255
	Weight	68 kg
	Installation Method	Cableless Plug & Play stack
	System Type	DC/DC Converters, Isolated Buck / Boost
	Low Voltage Battery Side V / I Range	23.2 - 28.4Vdc
	High Voltage V-booster Side V / I Range	400 - 480 Vdc
	Standard / Peak Power	4 kW / 6.5 kW
	BMS Operating Temperatures	-20 °C ~ +65 °C

The temperatures mentioned above are limited to BMS ranges, such extreme 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. No part of this document may be copied or reproduced without the written permission of WeCo.

All data is subject to change without notice.

* The heating system implies the connection to the grid and/or the availability of energy from solar sources and batteries to be powered and perform its function continuously.



8K PRO

ENERGY STORAGE SYSTEM

WECO

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Firenze, Italy

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www.wecobatteries.com

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

Add modules anytime



USER-FRIENDLY

APP & web portal interface LCD display for easy access.

- See terms and conditions manuals and warranty

