

Slim.  
Elegant.  
Dual Voltage.



# **4K5 ULTRA**

## ENERGY STORAGE

The World's Thinnest Dual Voltage Li-Ion ESS

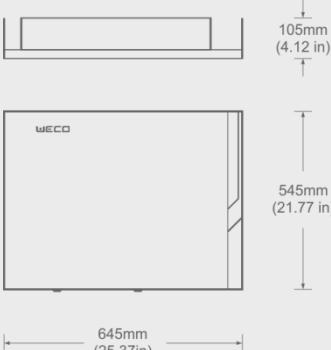
# 4K5 ULTRA-LV

## ENERGY STORAGE BATTERY



### Specifications

BATTERY	Module Type	Prismatic
	Cell Capacity	100 Ah
	Rated Capacity	5.1 kWh
	Cell Type	LiFePO4
SYSTEM	Rated Voltage	51.2 V
	Voltage Range	46.5 ~ 56.8 V
	Standard Charge Current	50 A
	Max. Charge Current	100 A (1C)
	Standard Discharge Current	50 A
	Max. Discharge Current	100 A (1C)
	Charge Temperature Range*	-5 ~ +55 °C
	Discharge Temperature Range*	-20 ~ +55 °C
COMMUNICATION	Standard Working Temperature Range	25 °C ± 10 °C
	Communication Interface	2 × CAN2.0 1 × RS232
BMS PROTECTION	Battery Protections	Over Charge / Over Discharge / Over Temperature / Over Current / Short Circuit
BASIC PARAMETERS	Dimensions (W × D × H) (mm)	644.5 × 105 × 553
	Weight	45 kg
	Installation	Wall Mounted / Stacked
	Warranty	10 Years
	Material Safety Data Sheet	UN 38.3
	Certificates	CE / IEC 62619 / IEC62040
	IP Rating	IP65
	Parallel Connection	Up to 15 Batteries in Parallel Low Voltage
	HV Application with Plug In DCDC Module	V-BOOSTER DCDC Accessory Only for HV Inverters



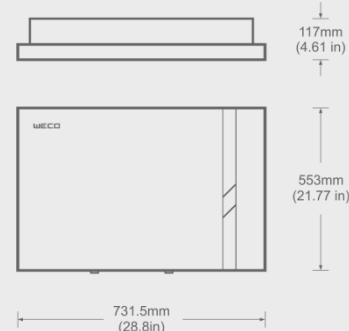
\*The above-mentioned temperatures and currents are limited to the BMS ranges, such values may not be covered by the performance warranty. We recommend contacting WeCo for the most up-to-date datasheet, read warranty and manual before making any purchasing decisions. No part of this document can be copied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

# 4K5 ULTRA-HV

## ENERGY STORAGE BATTERY

### Specifications

BATTERY	Rated Voltage	430 V
	Voltage Range	420 ~ 450 V
	Cell Type	Prismatic
	Cell Capacity	100 Ah
SYSTEM	Rated Capacity	5.1 kWh
	Cell Type	LiFePO4
	Charge Mode	CC - CV
	Standard Charge Current	5.5 A @ 450 V
	Max. Charge Current	7.8 A @ 450 V (3500 W)
	Standard Discharge Current	5.5 A @ 450 V
COMMUNICATION	Max. Discharge Current*	7.8 A @ 450 V (3500 W)
	Charge Temperature Range*	-5 ~ +55 °C
	Discharge Temperature Range	-20 ~ +55 °C
	Standard Working Temperature Range	25 °C ± 10 °C
BMS PROTECTIONS	Communication Interface	2 × CAN2.0 1 × RS232
	Battery Protections	Over Charge / Over Discharge / Over Temperature Over Current / Short Circuit
BASIC PARAMETERS	Dimensions (W × D × H) (mm)	731.5 × 117 × 553
	Weight	50 kg (with V-BOOSTER)
	Installation	Wall Mounted / Stacked
	Material Safety Data Sheet	UN 38.3
	Certificate	CE / IEC 62477-1 / IEC 62619 / IEC 62040
	IP Rating	IP65
	Parallel Connection	Up to 12 Batteries in Parallel HV





# 4K5 ULTRA

## ENERGY STORAGE

Health & Safety



## Energy Storage

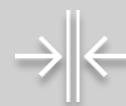
Rated capacity 5,1 kWh



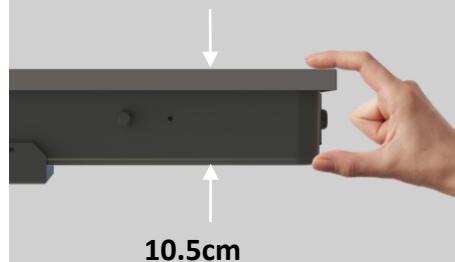
### 4K5 LV

Parallel connection up to 15 Batteries in Parallel Low Voltage

Size & Dimensions



So Slim.  
So Light.  
So Invisible.



### ULTRA THIN

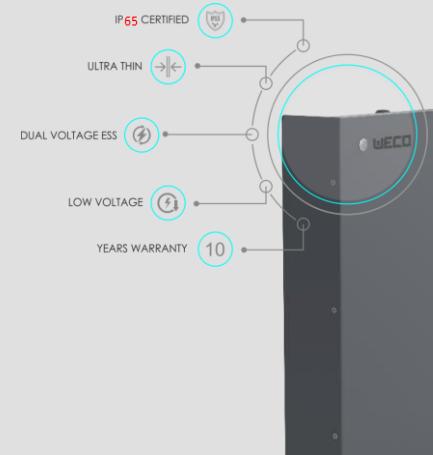
The world's Thinnest Dual Voltage Li-Ion ESS

Power & Performance



### Dual Voltage

Low Voltage 51.2 V  
High Voltage 430V



**WECO**

WeCo Srl a Socio Unico  
Viale J. F. Kennedy 113-121  
50038 Scarperia e San Piero  
Firenze, Italy

weco@wecobatteries.com  
www.wecobatteries.com



IP65 Certified



EV Ready

Download on the  
App Store

Available on the  
Google play

