



WECO

4K5 ULTRA

The World's Thinnest
Dual Voltage Li-Ion ESS



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4K5 ULTRA-LV

4K5 Energy Storage Battery Specifications

Rated Voltage	51.2 V
Voltage Range	46.5 ~ 58.4 V
Module Type	Prismatic Ultra-thin
Cell Capacity	100 Ah
Rated Capacity	5.1 kWh
Cell Type	LiFePO ₄
Charge Mode	CC - CV
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 °C ~ + 55 °C
Discharge Temperature Range	-20 °C ~ + 55 °C
Standard Working Temperature Range	25 °C ± 10 °C
Communication Interface	2 × CAN2.0 1 × RS232
Battery Protections	Over Charge / Over Discharge / Over Temperature / Over Current / Short Circuit
Dimensions (W × D × H) (mm)	644.5 × 105 × 553
Weight	45 Kg
Installation	Wall Mounted / Stacked
Warranty	10 Years
Delivery Standard	UN 38.3
Certificates	CE / IEC 62619 / IEC62040
IP Rating	IP54
Parallel Connection	Up to 15 Batteries in Parallel
HV Application with Plug In DCDC Module	V-BOOSTER DCDC Accessory

4K5 ULTRA-HV

4K5 Energy Storage Battery Specifications

Rated Voltage	450 V
Voltage Range	420 ~ 480 V
Module Type	Prismatic Ultra-Slim
Rated Capacity	100 Ah
Rated Energy	5.1 kWh
Cell Type	LiFePO ₄
Charge Mode	CC - CV
Standard Charge Current	6.0 A @ 450 V
Max. Charge Current	8.4 A @ 450 V (3500 W)
Standard Discharge Current	6.0 A @ 450 V
Max. Discharge Current	8.4 A @ 450 V (3500 W)
Charge Temperature Range	-5 °C ~ + 55 °C
Discharge Temperature Range	-20 °C ~ + 55 °C
Standard Working Temperature Range	25 °C ± 10 °C
Communication Interface	2 × CAN2.0 1 × RS232
Battery Protections	Over Charge / Over Discharge / Over Temperature / Over Current / Short Circuit
Dimensions (W × D × H) (mm)	731.5 × 117 × 553
Weight	50 Kg (with V-BOOSTER)
Installation	Wall Mounted / Stacked
Delivery Standard	UN 38.3
Certificate	CE / IEC 62477-1 / IEC 62619 / IEC62040
IP Rating	IP54
Parallel Connection	Up to 12 Batteries in Parallel

See warranty terms for Performance warranty applicability

See Performance Warranty Terms and the Standard Test Conditions "STC".

All data is subject to change without prior notice; always ask WeCo for the most recent datasheet and manual before purchasing.

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