



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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