



4K5 ULTRA





The World`s Thinnest Dual Voltage Li-Ion ESS

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
Rated Electric Charge	90 Ah
Rated Capacity	4.5 kWh
Cell Type	3.2 V / 90 Ah - LFP 3.2 V
Charge Mode	CC-CV
Rated Charge Current	44 A (0,5C Suggested)
Max Charge Current	90 A (1C)
Rated Discharge Current	44 A (0,5C Suggested)
Max Discharge Current	90 A (1C)
Charge Temperature Range	-5 / +55 °C
Discharge Temperature Range	-20 / +55 °C
Communication Port	2x CAN2.0 1x RS232
Battery Protections	Over Charge / Over Discharge / Over Temperature / Over Current / Short Circuit
Dimensions (HxDxW)	650x105x544 mm
Weight	44 Kg
Installation	Wall Mounted/Stacked
Warranty	10 Years
Delivery Standard	UN 38.3
Protection 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	400~500 V
Module Type	Prismatic Ultra-Slim
Rated AH	90 Ah
Rated Capacity	4.5 kWh
Cell Type	3.2 V / 90 Ah - LFP 3.2 V
Charge Mode	CC-CV
Standard Charge Current	5.6 A @ 450 V
Max Charge Current	8 A @ 450 V (3500 W)
Standard Discharge Current	5.6 A @ 450 V
Max Discharge Current	8 A @ 450 V (3500 W)
Charge Temperature Range	-5 / +55 °C
Discharge Temperature Range	-20 / +55 °C
Communication Port	2x CAN2.0 1x RS232
Battery Protections	Over Charge / Over Discharge / Over Temperature / Over Current / Short Circuit
Dimensions (HxDxW)	729x105x544 mm
Weight	49 Kg (with V-BOOSTER)
Installation	Wall Mounted
Delivery	UN 38.3
IP Class	IP54
Parallel Connection	Up to 12 Batteries in Parallel

