

Modular LV LiFePO4 Battery ESS

S40K

10.24 — 40.96kWh



HIGH PERFORMANCE

- >8000 life cycles. [1]
- Each cluster is up to 40.96 kwh(8 battery modules), maximum 15 clusters in parallel to get 614.4 kWh.



SMART MANAGEMENT

- Display screen allows for real-time monitoring.
- Cloud platform / APP remote monitor.



SAFE AND RELIABLE

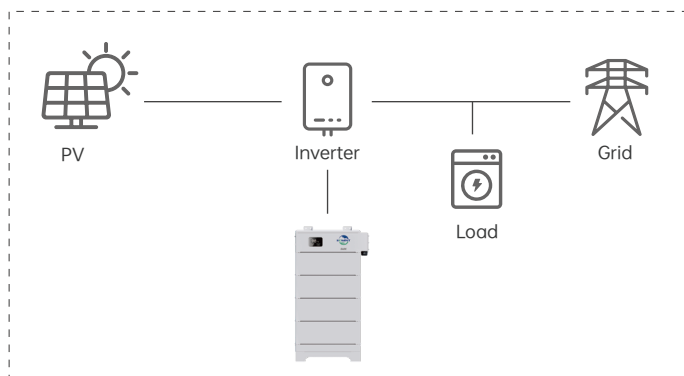
- IP65 design, available for indoor / outdoor.
- Intelligent BMS with overcharge / over-discharge protection.



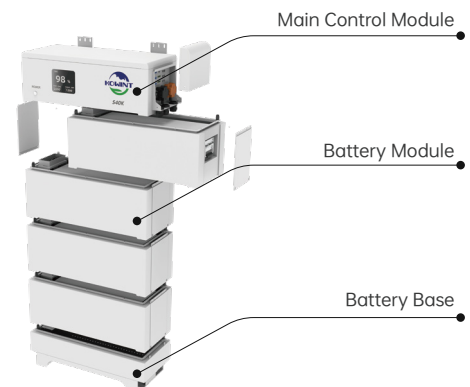
EASY INSTALLATION

- Easy installation for faster deployment.
- Modular design enables flexible expansion.

System Layout



System Demonstration



● Product Specifications

Battery Energy Storage

Product Module QTY	1	2	3	4	5	6	7	8
Nominal Energy (kWh)	5.12	10.24	15.36	20.48	25.6	30.72	35.84	40.96
Output Power (kW)	4.8	9.7	14.6	15.4	15.4	15.4	15.4	15.4
Max. Operation Current (A)	95	190	285	300	300	300	300	300
Peak for 10s (A)	98	196	297	392	490	500	500	500
Peak for 2s (A)	120	240	360	480	500	500	500	500
Max. Charging Voltage (Vdc)	58.4							
Discharge Cut-off (Vdc)	43.2							
Nominal Voltage (Vdc)	51.2							
Recommend Charging Voltage (Vdc)	56.8							
Battery Chemistry	LiFePO4							
Dimensions - W*D (mm/in)	635*268/25*10.6							
Dimensions - H (mm/in)	632/24.88	795/31.3	1023/40.3	1250/49.2	1478/58.2	1706/67.1	1934/76	2162/85
Net Weight (kg/lb)	~81.5/~179.74	~141/~311	~194/~428	~247/~545	~300/~661	~353/~778	~406/~895	~459/~1012

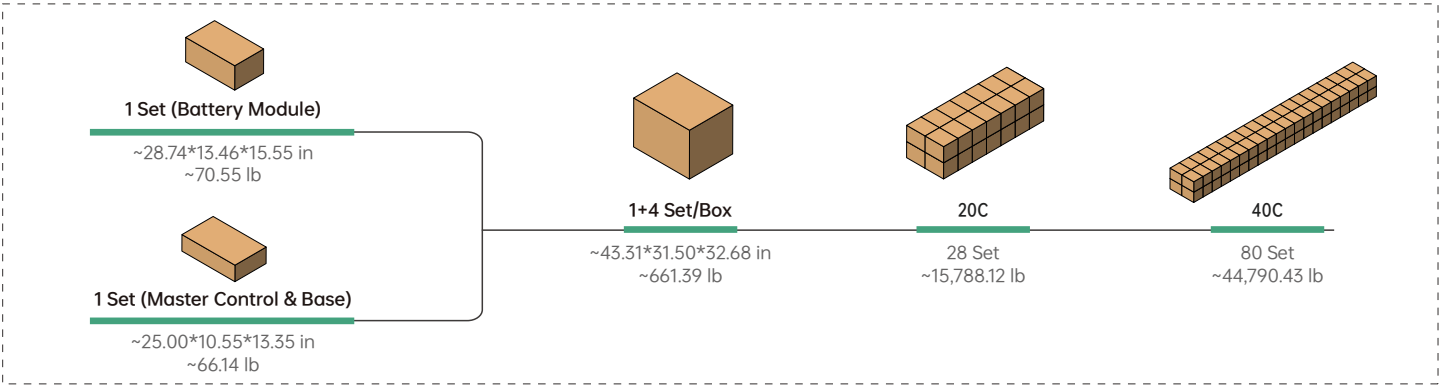
General Parameters

Operating Temperature	Charge: 32°F ~ 122°F Discharge: -4°F ~ 122°F
Cooling	Natural Cooling
Max. Altitude	4000m/13123ft
Cycle Life	8000 Cycles
Communication	RS485, CAN, WiFi
Parallel Capacity	Max.15

System Characteristic

Battery Compliances	UL1973,UL9540, UL9540A, UKCA, IEC 62619, IEC62040, CEI 0-21, UN 38.3, EN-61000, EN-62311, CEC, 9540
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
IP Rating	IP65
Warranty [2]	10 Years

● Packaging & Shipping Details



[2] Please refer to the warranty letter for details