

Modular HV LiFePO4 Battery ESS

Power Matrix

10.24 — 30.72 kWh



HIGH PERFORMANCE

- LiFePO4 battery with >8000 Life Cycles.[1]
- Each cluster is up to 29 kW (6 battery modules) .



SAFE AND RELIABLE

- IP55 design , available for indoor / outdoor.
- Intelligent BMS with overcharge / over discharge protection.



USER FRIENDLY SETUP

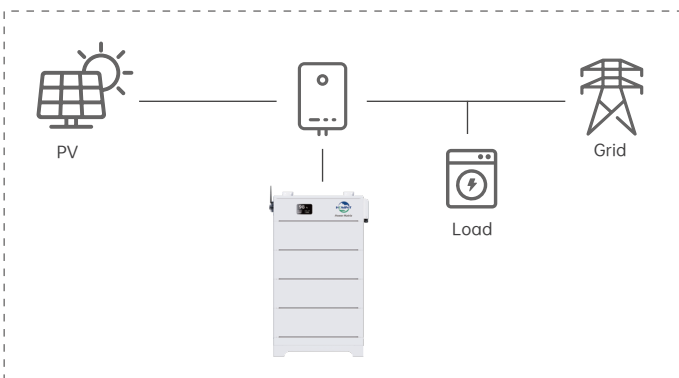
- Could platform / APP remote monitor.



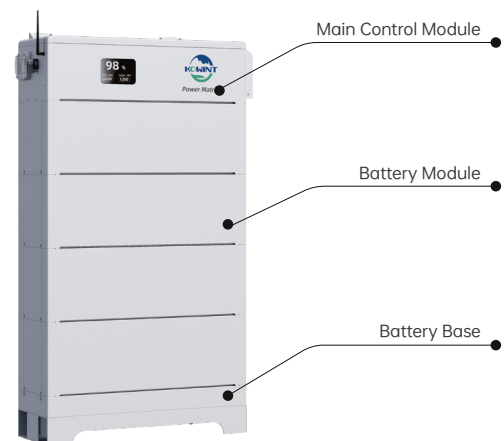
EASY INSTALLATION

- Modular design facilitate installation.

System Layout



System Demonstration



● Product Specifications

System Characteristics

BESS Compliances	IEC62619, UN38.3, MSDS, UKCA, CE, UL1973			
Installation Method	Stack Mounting			
Installation Scene	Indoor or Outdoor			
Ingress Protection	IP55			
Warranty	10 Years			

BESS Specifications

Battery Module	1P32S				
Cell Capacity(Ah)	50				
Module Amount	2	3	4	5	6
Nominal Energy(kWh)	10.24	15.36	20.48	25.6	30.72
Nominal Voltage(V)	204.8	307.2	409.6	512	614.4
Nominal Power(kW)	9.83	14.57	19.66	24.58	29.5
Operating Voltage Range(V)	172.8 ~ 233.6	259.2 ~ 350.4	345.6 ~ 467.2	432 ~ 584	518.4 ~ 700.8
Max.Continuous Current(A)	48				
Max. Current	≤75A@10S				

General Parameters

Dimension - W*D*H(mm/in)	820*269.5*996 32.3*10.6*39.2	820*269.5*1282 32.3*10.6*50.5	820*269.5*1568 32.3*10.6*61.7	820*269.5*1854 32.3*10.6*73.0	820*269.5*2140 32.3*10.6*84.2
Net Weight(kg/lb)	~151.5/~334.0	~211.5/~466.4	~271.5/~598.6	~331.5/~730.8	~391.5/~863.0
Operating Temperature(°C)	-20~ 50				
Operating Humidity	Up to 92 % non-condensing				
Cycle Life	6000 times@25°C				
Communication Method	CAN, RS485, WiFi				
Warranty [1]	10 Years				

● Packaging & Shipping Details

