

Modular HV ESS

Power Matrix

10.24 — 30.72 kWh



HIGH PERFORMANCE

- >6000 Life Cycles.
- Each cluster is up to 29 kW (6 battery modules) .



SAFE AND RELIABLE

- IP55 design , available for indoor / outdoor.



USER FRIENDLY SETUP

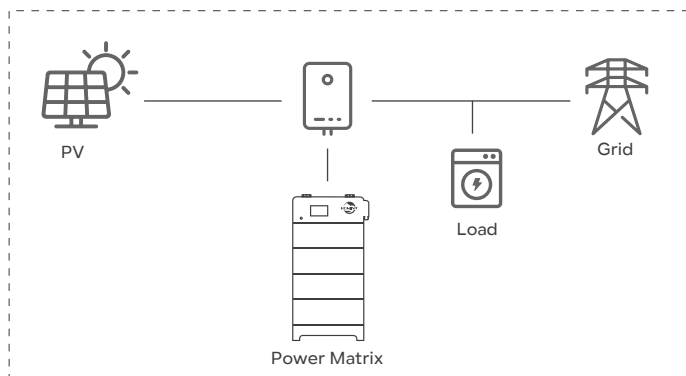
- Cloud platform / APP remote monitor.



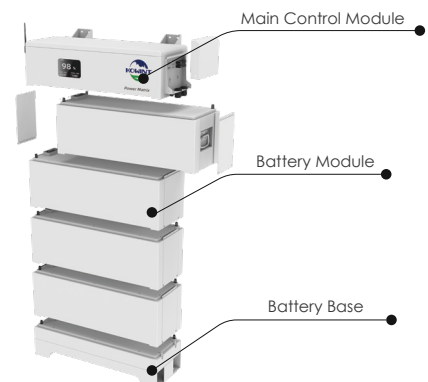
EASY INSTALLATION

- Modular design facilitate installation.

● System Layout



● System Demonstration



● Product Specifications

System Characteristics

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

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	29.18
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)	820 * 269.5 * 996	820 * 269.5 * 1282	820 * 269.5 * 1568	820 * 269.5 * 1854	820 * 269.5 * 1854
Net Weight(kg)	151.5	211.5	271.5	331.5	391.5
Operating Temperature (°C)	-20~ 50				
Operating Humidity	Up to 92 % Non-condensing				
Cycle Life	6000 times @ 25°C				
Communication Method	CAN , RS485 , WiFi				