

Indoor Cabinet LiFePO4 Battery ESS

R5000 Lite

15.36 — 61.44kWh



HIGH PERFORMANCE

- >8000 life cycles. [1]
- 15.36–61.44 kWh capacity for diverse indoor applications.



SMART MANAGEMENT

- Supports RS485 and CAN communication.
- Real-time monitoring via Cloud platform and App.



SAFE AND RELIABLE

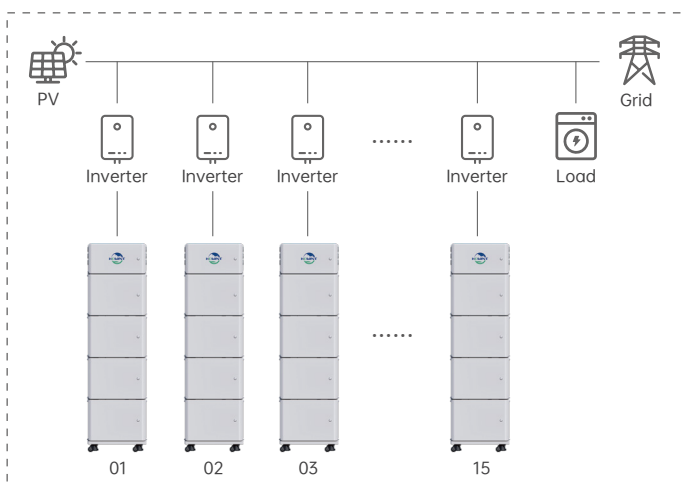
- Intelligent BMS ensures multi-level protection.
- LiFePO4 battery cells ensures stability and safety.



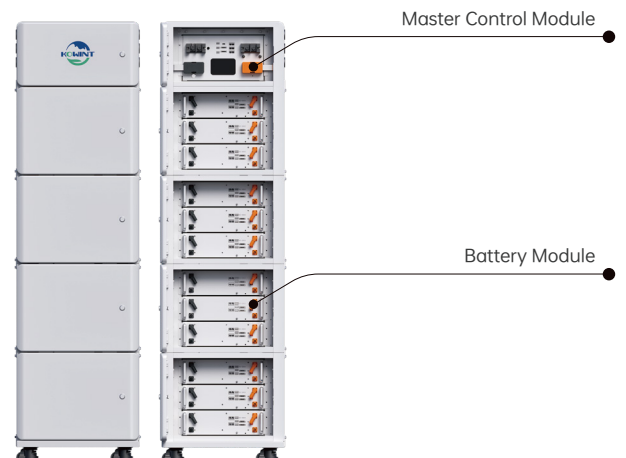
FLEXIBLE APPLICATION

- Cabinet design with dust protection for indoor use.
- Neat wiring layout for professional installation.

System Layout



System Demonstration



● Product Specifications

Battery Energy Storage	R5000i-15	R5000i-30	R5000i-45	R5000i-60
Module Number	1	2	3	4
Battery Module Numbe	3	6	9	12
Nominal Energy (kWh)	15.36	30.72	46.08	61.44
Max. Charging/Discharging (A)	300	300	300	300
Nominal Capacity (Ah)	300	300	400	500
Peak for 10s (A)	330	330	350	350
Recommend Charging Voltage (V)	56.8			
Max. Charging Voltage (V)	58.4			
Discharge Cut-off (V)	43.2(Cells)			
Nominal Voltage (V)	51.2(Cells)			
Output Power voltage (V)	54(Steady Voltage)			
General Parameters				
Weight (kg/lb)	~165/363.76	~300/661.39	~435/958	~570/1,256.63
Dimensions - W*D(mm/in)	663*635/26.1*25.0			
Dimensions - H(mm/in)	955/37.6	1436/56.53	1917/75.51	2398/94.41
IP Rating	IP20			
Cycle Life	8000 times @25°C, 0.5C, 80%DOD, 80%EOL			
Designed Calendar Life	10 years			
Safety Function	Over-charge, Over-discharge, Over-current, Low/High-temperature, Low-voltage, Short-circuit Protections			
Operation Temperature	Discharge -20°C~50°C, Charge 0°C~50°C			
Parallel Capacity	Max. 15			
Communication	RS485, Wi-Fi, CAN			
Single Battery Module Certificates	UKCA, UL1973, CE, UN 38.3, IEC62619, CE UKCA CEC			
Warranty[2]	10 Years			