

Cabinet ESS

R5000i

15.36 — 61.44kWh



HIGH PERFORMANCE

- Capacity options from 15.36kWh to 61.44kWh for diverse indoor applications



SAFE AND RELIABLE

- IP20 design, available for indoor.



SMART MANAGEMENT

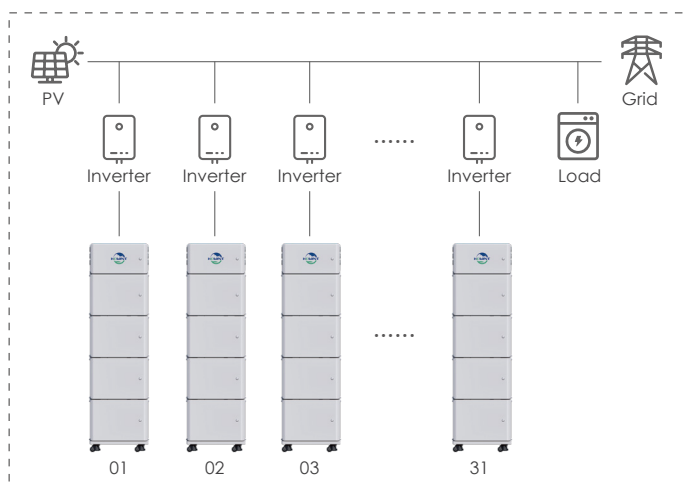
- Intelligent BMS protecting battery cells.
- Cloud platform / APP remote monitor.



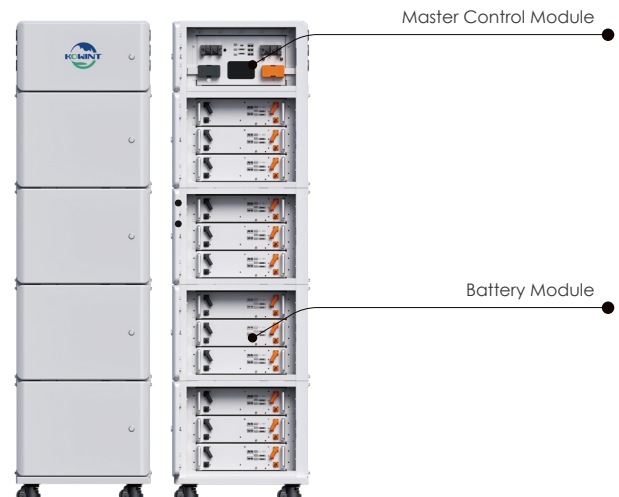
FLEXIBLE APPLICATION

- Compact indoor cabinet design with modular battery configuration.

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	663*635*1436	663*635*1917	663*635*2398
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. 8			
Communication	RS485, Wi-Fi, CAN			