

All-IN-ONE Cabinet ESS

R5000o

30.72 / 61.44kWh



HIGH PERFORMANCE

- Single unit delivers 30.72kWh / 61.44kWh, expandable up to 491.52kWh with 8 units in parallel



SAFE AND RELIABLE

- IP54 design, available for outdoor.



SMART MANAGEMENT

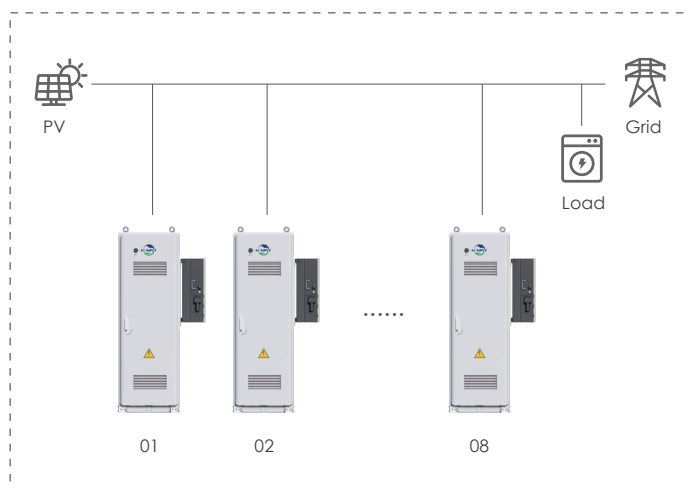
- Intelligent BMS protecting battery cells.
- Cloud platform / APP remote monitor.



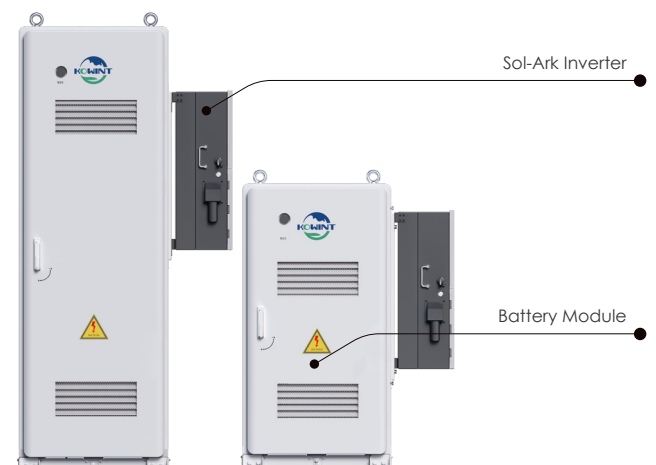
FLEXIBLE APPLICATION

- All-in-one inverter & battery design for diverse outdoor applications.

● System Layout



● System Demonstration



● Product Specifications

Battery Energy Storage	R5000o-30	R5000o-60
Product Module QTY	6	12
Nominal Energy (kWh)	30.72	61.44
Max. Charging/Discharging (A)	300	300
Nominal Capacity (Ah)	300	500
Peak for 10s (A)	330	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)	400/881.85	700/1543.23
Dimensions - W*D*H (mm/in)	760*832*1466/29.9*32.8*57.7	760*832*2266/29.9*32.8*89.2
IP Rating	IP54	
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	