

EBrick-IND

Modular LV Battery System

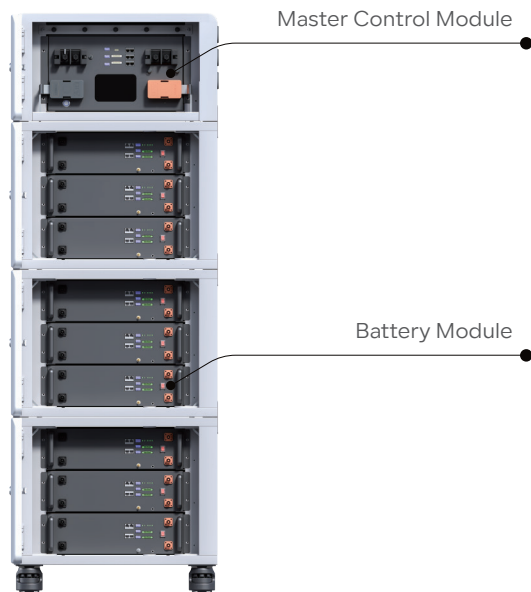
Scalability: The system can be expanded with up to 4 cabinets in stacks, offering flexibility and future-proofing for growing energy needs.

High Efficiency: Designed for peak shaving and self-consumption, it helps reduce energy bills by optimizing the use of solar power and minimizing reliance on the grid.

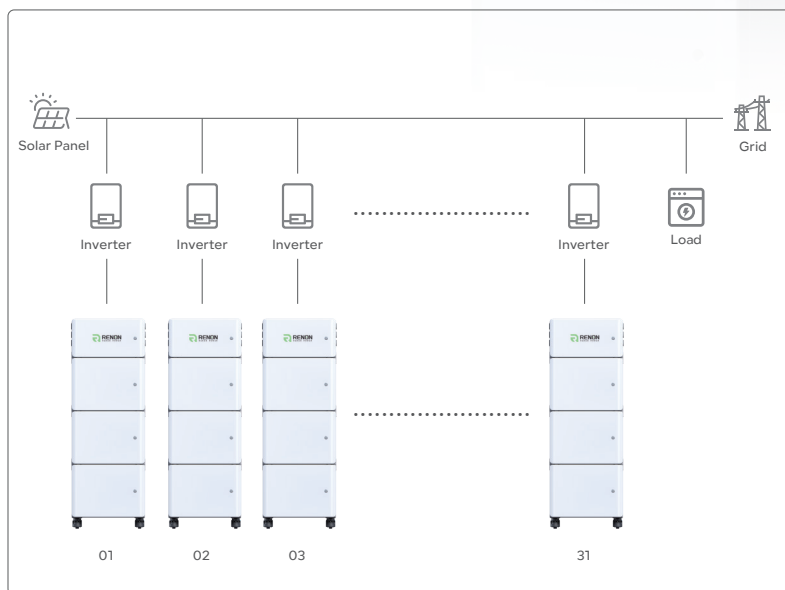
Strong Compatibility: The system is designed to work seamlessly with various inverters and energy management systems, providing flexibility in integration with existing setups.



System Demonstration



System Layout



Application Scenario



Battery Energy Storage				
Product Model	R-EB015161-IND1	R-EB0300161-IND1	R-EB045161-IND1	R-EB060161-IND1
Module QTY	1	2	3	4
Battery Module QTY	3	6	9	12
Battery Module Model	R-EB005161			
Master Control Model	R-MC300-PRO			
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. 8			
Communication	RS485, Wi-Fi, CAN			