

PRISMATIC BATTERY



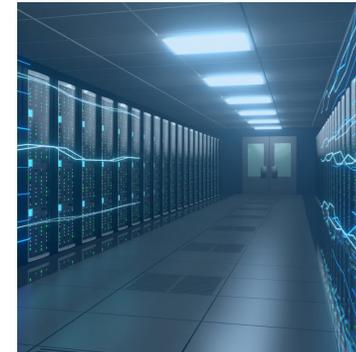
BAK Energy Storage Solutions

STORE FOR A
CLEANER FUTURE

Since the mass production of BAK Fuzhou Factory in 2021, BAK Battery has been dedicated to the material innovation and process improvement of prismatic energy storage batteries. This commitment aims to offer safe and efficient energy storage solutions for users.



Residential Energy
Storage



Commercial &
Industrial Energy
Storage



Communication
Energy Storage

BAK Residential Energy Storage Products

BAK residential energy storage systems can be widely used in ordinary households, small business districts, offices, uninterruptible power supply fields, areas with peak-valley electricity price difference, etc.

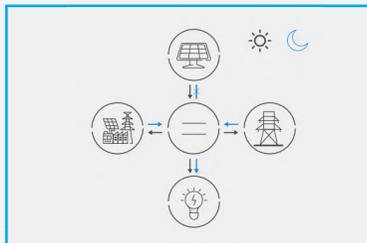


BAK Residential Energy Storage

Mode 1 | Spontaneous Self-use

Scenario: Applicable to areas with low electricity subsidy and high electricity price.

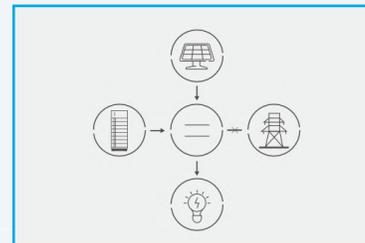
Advantage: Reduce grid electricity consumption, improve PV utilization rate, reduce electricity cost.



Mode 2 | Backup Power Supply

Scenario: Applicable to the unstable power grid areas.

Advantage: Solve the problems of the unstable power grid, difficult-to-use electricity, and emergency electricity, and greatly improve the reliability and convenience of electricity.



Mode 3 | Peak-to-Valley Arbitrage

Scenario: Suitable for areas with large peak and valley electricity price differences.

Advantage: Charge when the electricity price is low, discharge when the electricity price is high, realize peak and valley arbitrage.



Case Study

100+ 12kwh residential energy storage systems for emergency power backup

BAK Residential Energy Storage Products



Advanced LFP battery manufacturing technology



Easy for transportation, integrated floor stand or wall mounted use



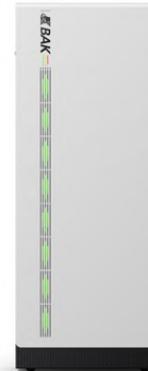
Intelligent management realizes unattended operation

Low Voltage Stacked Residential ESS



Model	51.2V100Ah							
Rated Voltage(V)	51.2							
Rated Energy (KWh)	5.12							
Rated Capacity (Ah)	100	200	300	400	500	600	700	800
Rated Energy (KWh)	5.12	10.24	15.36	20.48	25.6	30.72	35.84	40.96
Communication Mode	CAN/RS485							
Number of Battery Packs	1	2	3	4	5	6	7	8
Max Charge and Discharge Current (A)	100/100							
Operate Temperature (°C)	Charge: 0~55 Discharge: -20~60							
Cycle Life	6000 or 8000 Cycles 25°C 0.5C 70% SOH							
Dimension (L*W*H, mm)	630*430*600	630*430*750	630*430*900	630*430*1050	630*430*1200	630*430*1350	630*430*1500	630*430*1650
Weight(KG)	85	133	181	22	277	325	373	421

High Voltage Stacked Residential ESS



Model	51.2V100Ah				
Rated Voltage (V)	204.8	256	307.2	358.4	409.6
Operate Voltage Range (V)	160~233.6	200~292	240~350.4	160~233.6	160~233.6
Rated Energy (KWh)	20.48	25.6	30.72	20.48	20.48
Communication Mode	RS485, CAN				
Number of Battery Packs	4	5	6	7	8
Max Charge and Discharge Current (A)	100/100				
Operate Temperature (°C)	Charge: 0~55 Discharge: -20~60				
Cycle Life	6000 or 8000 Cycles 25°C 0.5C 70% SOH				
Dimension (L*W*H, mm)	630*430*1050	630*430*1200	630*430*1350	630*430*1500	630*430*1650
Weight (KG)	229	277	325	373	421