

Battery Energy Storage System

Production introduction

Suzhou Langji's Energy Storage System (ESS) is a system that can store and supply electricity, including lithium-ion batteries, BMS systems, PCS systems, EMS systems, etc.

Advantage

1. Smooth transition, peak shaving and valley filling, frequency regulation and voltage regulation etc;
2. It can make the output of solar and wind power generation smooth, and reduce the impact of randomness, interstitial, and volatility on the grid and users;
3. Charging during the valley price period and discharging during the peak price period can reduce the user's electricity bill;
4. when it is power outages in large power grids, it can operate in an isolated island to ensure uninterrupted power supply to users.




Data sheet

AC Outdoor Cabinet-Power	30KW	60KW
Single Outdoor Cabinet Scalable - Maximum Power	90KW	180KW
Battery Outdoor Cabinet - Capacity	81.92 KWh	163.84 KWh
Rated grid voltage	230/400, 3P+N+PE	
Rated grid frequency	50Hz	
Industrial Grade Outdoor Cabinet - Patented Expandable Design	No need for container installation and debugging, and supports the transportation of the whole cabinet with batteries	
Low Voltage Power Distribution - Patented Design	Grid-level terminal connection design eliminates the need for independent low-voltage distribution cabinets	
Dimension (W*D*H, mm)	789*1180*2450	1577*1180*2450
Installation location	Outdoor	
IP Grade	IP55	
Operating humidity range	0%~95% (no condensation)	
Operating temperature range	-30°C ~+50°C (>45°C derating)	
Max working altitude	3000m(>2000m derating)	
Communication Interface	CAN, RS485	
Cooling method	Precision air conditioning (Langji patented air conditioning)	
Cell type	LiFePO4 battery (Brand: Yiwei)	
Cell discharge rate	1.0 C	
Battery module	5.12KWh	
Battery module quantity	16	32