SUNNIC Liquid cooling Energy Storage System

SKBES0232-950

100kW/200kW



Based on CATL's long cycling battery, the **232kWh** energy storage cabinet supports modular expansion up to MWhs (**maximum 5 paralleled cabinets**), catering to the needs of various scale of projects.

Efficient and flexible

- Long cycling CATL battery with up to 8,000 cycles
- System efficiency of 90%
- Modular design supports parallel connection and system expansion

Safe and smart

- Self-developed energy management system,customizable and upgradable for different needs
- Battery health management includes lifespan prediction, health assessment, and safety warnings
- Cloud-based monitoring and operation platform supporting remote management

High integration

- All-in-one designed cabinet integrates battery, BMS, EMS, PCS, liquid cooling system, fire protection system, etc
- Compact equipment size with a small footprint
- Transportation after assembly, ready for plug-and-play

Application scenarios

Industrial Park

Commercial Buildings

Charging Station

Utility

VPP



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	100kW	200kW
General		
Product Model	SKBES0232-1000	
Width*Depth*Height	1450mm*1350mm*2225mm	
Installation	Floor Installation	
System Efficiency	90.2%	88.1%
Cooling Method	Air-cooling PCS + Liquid-cooling battery	
Protection Level	IP54	
Input Method	AC bottom entry	
DC Battery		
Cell Type	LFP 3.2V/280Ah	
Battery Configuration	1P52S/46.592kWh	
System Configuration	1P260S	
Voltage Range	728VDC ~ 936VDC	
System Capacity	232kWh	
Temperature Sensing	Cells + Copper Bars	
Charge/Discharge Rate	≤0.5P	≤1P
AC Parameters （on-grid）		
Rated Power	100kW	200kW
Max Output Power	115kW	230kW
Rated Grid Voltage	400VAC	
Rated Grid Frequency	50/60Hz	
Power Factor	-1 (leading) ~ 1 (lagging)	
AC Current THDi	‹3% (rated output power)	
Connection Method	Three-phase four-wire	
Overload Capacity	1.1 times long-term	
Environmental Requirements		
Operating Ambient	-25℃ ~ +50℃	
Operating Humidity	0% ~ 95% RH, non-condensing	
Max Operating Altitude	4000m (derating over 2000m)	
Expand capabilities	100kW+STS	

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