

Product specification

Product	RSEC-5015KWH
Technical Parameters	
Battery Type	LFP314Ah
System storage power	5015.96kWh
Rated voltage	1331.2V
Battery voltage range	1164.8V~1500.0V
Weight	43t
Dimension W*D*H	6058*2700*2896mm
Maximum system efficiency	94%
C-rate	0.5P
cycling life	≥6000@25°C 0.5C/0.5C, 90%DOD, 70%EOL
Cooling system	Liquid cooling
Operating altitude	≤2000m
Operating temperature	-20 ~ +55°C
Humidity range	0%-95%, RH
Protection level	IP54
Communication	Ethernet/RS485/CAN
Communication protocol	Modbus TCP / Modbus RTU / CAN 2.0
Fire fighting configuration	Perfluorohexane+water fire protection

SUN

Liquid cooled storage container

RSEC-5015KWH



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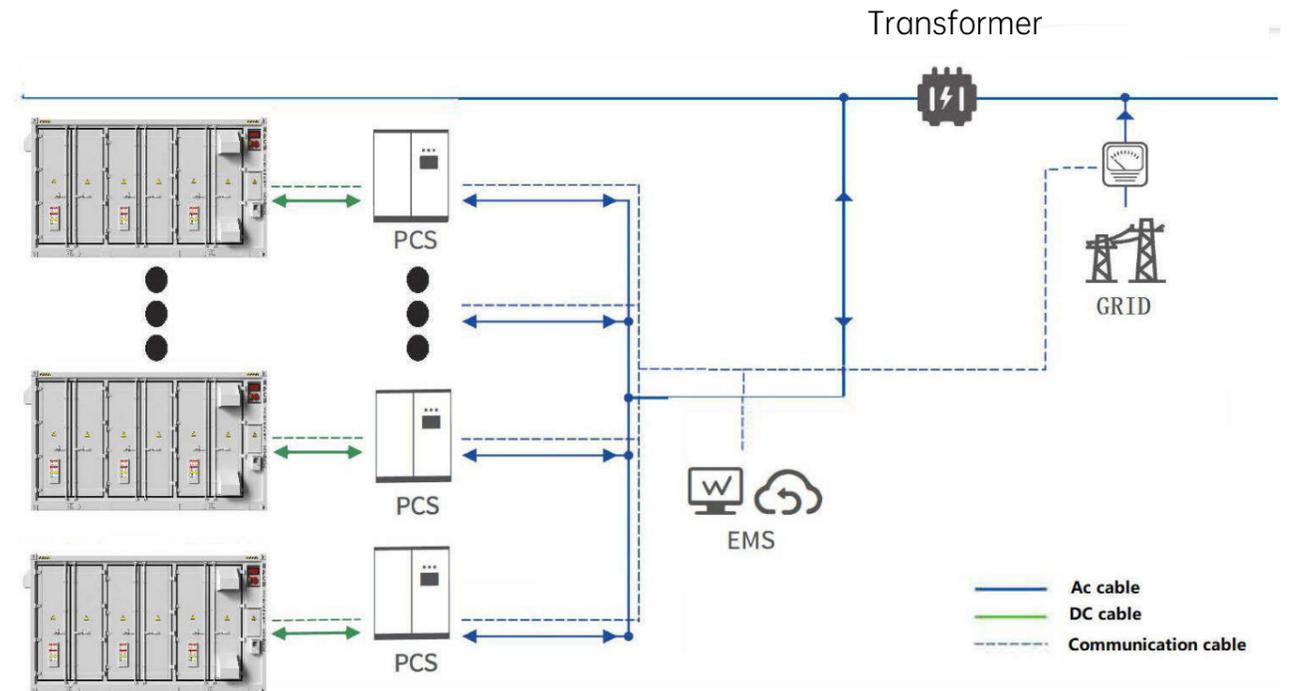
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High voltage liquid cooled energy storage system RSEC-5015KWH

RSEC-5015KWH Liquid-Cooled Energy Storage System relies on core technology developed in-house to create an efficient and stable energy storage device. Based on the core key technology needs of energy storage in the "generation, transmission, distribution, and consumption" system of the power industry, it provides global power users with all-scenario application solutions with more advanced technology and better service.



System topology



Highly efficient and energy-saving

lower electricity cost; cycle life of 6000+ supports "side by side" or "back-to-back" project layout, saving 59% of project site area

Flexible configuration

highly integrated, high-level protection, flexible combination, quick adaptation to project needs, wide temperature range design, reliable operation in all scenarios

Safe and reliable

excellent thermal management mechanism, small temperature difference between cells, Pack-level fire detection and protection function, building a multi-level safety protection system throughout the life cycle.

Application scenario

