

# SUNTERA

## JKE-5015K-2H-LAA Liquid Cooling ESS Solution



SunTera JKE-5015K-2H-LAA is JinkoSolar's new generation of liquid cooling energy storage product, which is equipped with 314Ah LFP cells and integrated with the industry's advanced design concept. SunTera is a safe, reliable, low - cost and high - performance product that provides customers with highly efficient integrated energy storage solutions. In the context of building a new type of power system, JinkoSolar will continue to uphold the mission of changing the energy structure and taking responsibility for the future to provide more reliable products and better experience to customers worldwide.

### Intelligent Liquid Cooling



Non-uniform refined flow channels, with a temperature difference  $< 2^{\circ}\text{C}$



Multiple liquid cooling control modes, reducing system auxiliary power consumption by 20%

### Safe and Reliable



Five-level protection from cell to system to prevent thermal runaway



Mixed explosion-proof system with integrated gas- and water fire suppression

### Higher Efficiency



Rack-level management scheme, RTE increased by more than 2%



Compatible with active equalization technology, enhancing the consistency of cell operation within the Rack

### Intelligent Operation and Maintenance



Intelligent control management, efficient commissioning, and reduced operational and maintenance costs



Supports back-to-back and side-by-side placement to increase energy density at the site



### ESS in Power Generation

Enhance the stability, continuity and controllability of new energy generation to provide stability support to the grid.



### ESS in Grid Side

Participate in grid dispatching to meet the demand of grid peaking and frequency regulation, thus enhancing the flexibility and stability of the power system.



### ESS in User Side

Relieving the load on the power grid, meeting the demand for electricity from different customers, improving the security of electricity on the customer's side, and thus enhancing the customer's experience of using electricity.



Items	Parameters
Type of cell	Lithium Iron Phosphate(LFP)
Cell parameter	3.2V/314Ah
Max.charge/discharge power	0.5P
Configuration of system	1P416S×12
Rated capacity	5.01 MWh
Rated voltage	1331.2V
Voltage range	1164.8~1497.6V
Cooling method	Liquid Cooling
Operating temperature	-30~50℃
Humidity	≤95%RH, no condensation
Altitude	≤3000m
Noise level	≤80dB(A), @1m/ 75dB(optional)
IP grade	IP55
Storage temperature	-20~45℃
Corrosion-proof grade	C4/C5(optional)
Fire protection	Temperature sensor + Smoke detector + Combustible gas detector + Deflagration venting + Fire extinguishing gas + Water sprinkler
External communication interface	Ethernet/CAN/RS485
Dimension(L×W×H)	6058×2438×2896mm
Weight	≈42000 kg

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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