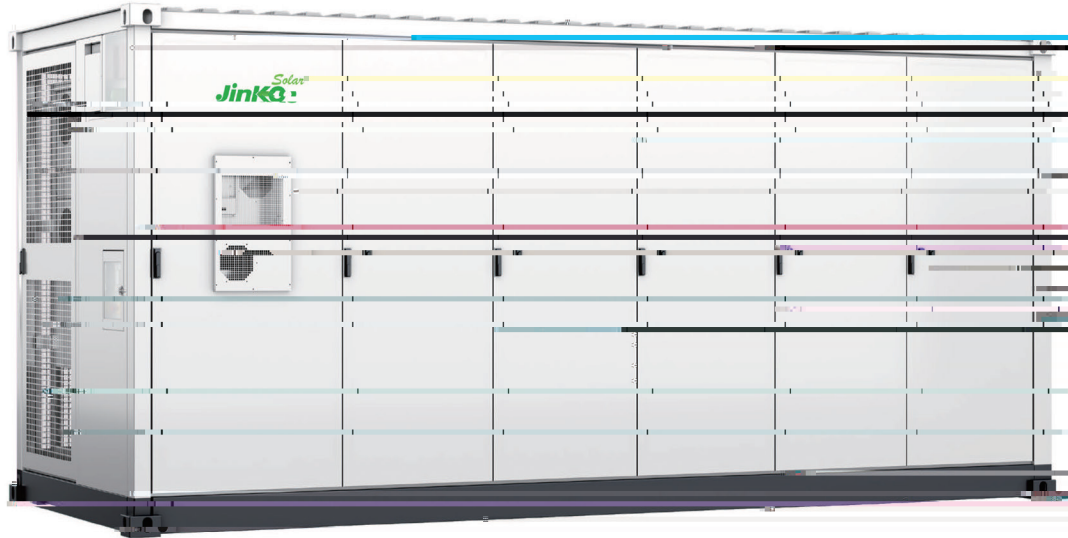


JinkoSolar Delivers 20MWh SunTera Energy Storage System to Baizhang Wind Farm

Safety is the critical consideration of energy storage customers, JinkoSolar adheres to the safety design

JKE-3440K-2H-1AA

Liquid cooling energy storage system



SunTera is JinkoSolar's new generation of liquid cooling energy storage products, which is equipped with 280Ah/512V cells and integrated with the industry's advanced liquid cooling technology. With the help of the liquid cooling technology, the system can effectively reduce the temperature of the battery cells, improve the battery cycle life, and provide customers with highly efficient energy storage solutions. In the future, JinkoSolar will continue to provide the mission of energy storage products, and provide more reliable products and better experience to customers worldwide.



Safe and reliable

- Separated battery and electrical compartment design to effectively avoid thermal runaway.
- Multi-level fire warning to monitor early thermal runaway.



Excellent performance

- High efficiency and low temperature difference, reducing the temperature difference of the battery cells, effectively improving the system efficiency.
- Intelligent liquid cooling management, ensuring the battery cells are at the optimal discharge level.



Flexible configuration

- Modular design, supporting 100kW/150kW systems.
- Compatible with many tier-1/2 cells, providing flexible and customized solutions.



Cost reduction and efficiency

- Compact design with high power density, reducing the system volume and increasing the system efficiency.
- The integrated design effectively reduces shipping, installation, and maintenance costs.



ESS in Power Generation

Enhance the power supply continuity and controllability of new energy generation to provide stability support to the grid area



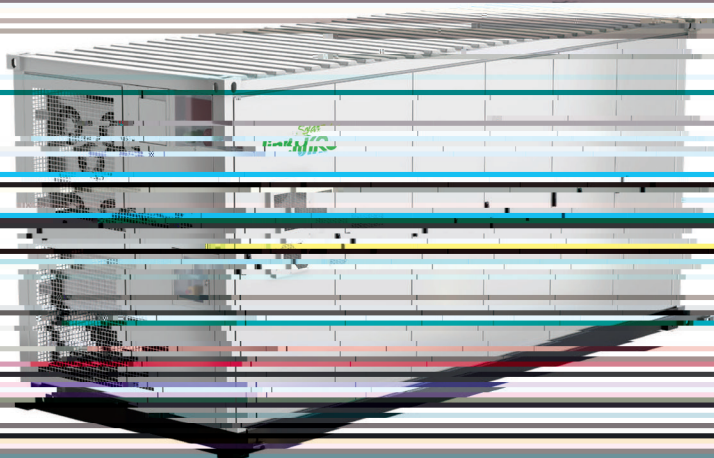
ESS in Grid Side

Participate in grid dispatching to maintain frequency and voltage, providing grid frequency regulation, voltage balancing, and power stability of the power system.



ESS in User Side

Relieving the burden on the power grid, improving the demand for electricity, and increasing the demand for electricity from different customers, improving the security of electricity on the customer's side, and thus expanding the user base by providing electricity.



Battery parameters

Type of cell	Lithium Iron Phosphate (LFP)
Cell parameter	3.2V/280Ah
Max. charging/discharging power	1.5C
Configuration of system	16384Sx16P
Rated capacity	3.44 MWh
Rated voltage	1228.8V
Voltage range	1075.2~1293.6V
Cooling method	Liquid Cooling
Operating temperature	-20~50°C
Humidity	10~93% (no condensation)
Altitude	< 2000m / < 6500ft (optional: 5000m)
Max. pressure	1.05MPa (15psi)
IEC explosion	Ex d IIB
Storage temperature	23~45°C
Corrosion-proof grade	C3 (EN ISO 12944/C4 1600h) / C4 1600h
Fire protection	Temperature sensor, smoke sensor, combustible extinguishing gas, water sprinkler
External communication interface	RS485, CAN, GPRS, 4G, etc.
Dimension (L x W x H)	5058 x 2428 x 2206mm
Weight	≈ 35000 kg