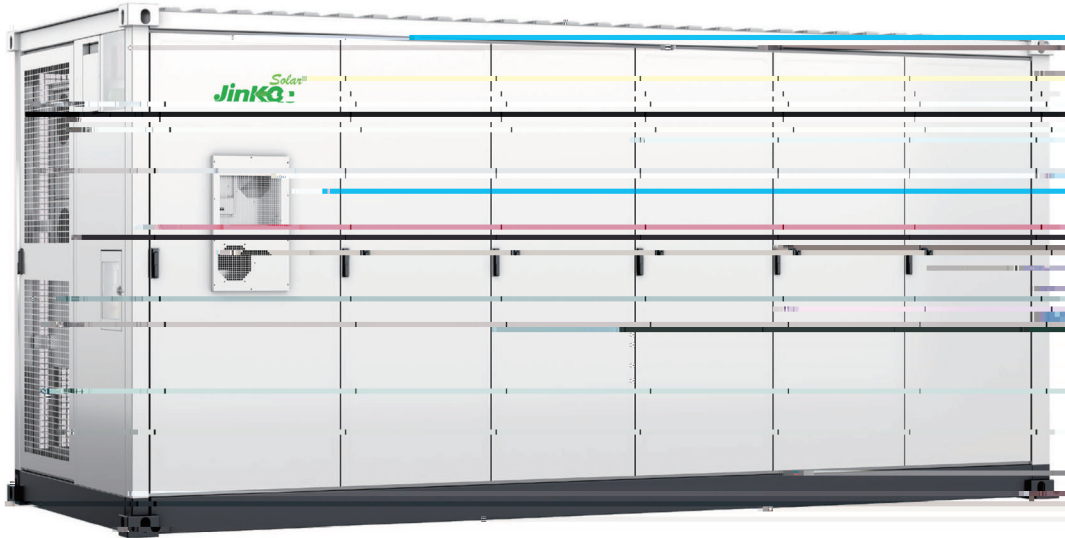


JinkoSolar Delivers 20MWh SunTera Energy Storage System to Baizhang Wind Farm

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 an integrated liquid cooling system. With JinkoSolar's advanced design and configuration, it can provide a more efficient and reliable energy storage solution. In the future, JinkoSolar will continue to 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

- Highly efficient and low temperature difference of 0.1°C is achieved within 24h, which can effectively improve the system life
- Intelligent liquid level management to improve the discharge level



Flexible configuration

- Modular design supports 100kW/150kW systems
- Compatible with many tier-1 PCS brands, providing flexible and customized solutions



Cost reduction and efficiency

- Compact design with side-by-side layout and standard 20ft container size to save 30% of the space
- The insulated design effectively reduces shipping, installation and O&M costs



ESS in Power Generation

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



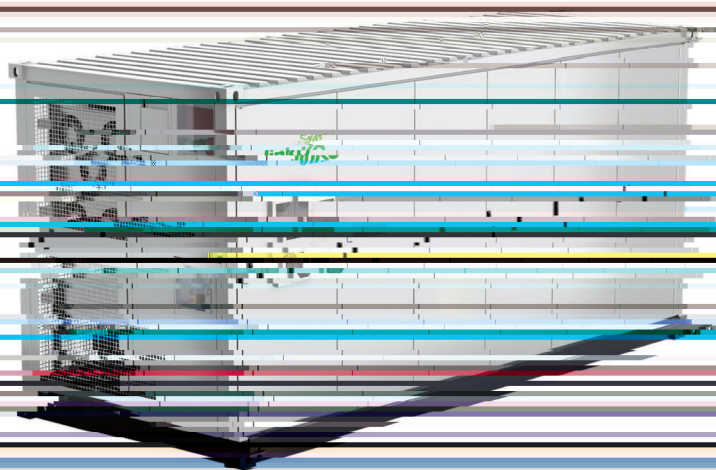
ESS in Grid Side

Participate in grid dispatching to maximize the utilization of renewable energy, regulate the fluctuation of the grid, and stabilize the power system.



ESS in User Side

Reduce the cost of power generation, improve the operation of the power system, and improve the security of electricity on the customer's side, enhance the energy efficiency of the power system, and reduce the cost of electricity.



Battery parameter

Type of cell	Lithium Iron Phosphate (LFP)
Cell parameter	3.2V/200Ah
Max. charge/discharge power	1.25C
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	10~90% (no condensation)
Altitude	< 2000m / < 6500ft (optional, to be confirmed)
Max. weight	< 30000kg (optional, to be confirmed)
Max. length	17.5m
Storage temperature	20~30°C
Corrosion-proof grade	C3 (EN ISO 12944), C4 (ISO 12944), C5 (ISO 12944)
Fire protection	Temperature sensor, smoke sensor, gas sensor, fire extinguishing gas, water sprinkler
External communication interface	RS485, CAN, GPRS, 4G, etc.
Dimension (L x W x H)	5058 x 2438 x 2895mm
Weight	≈ 35000 kg