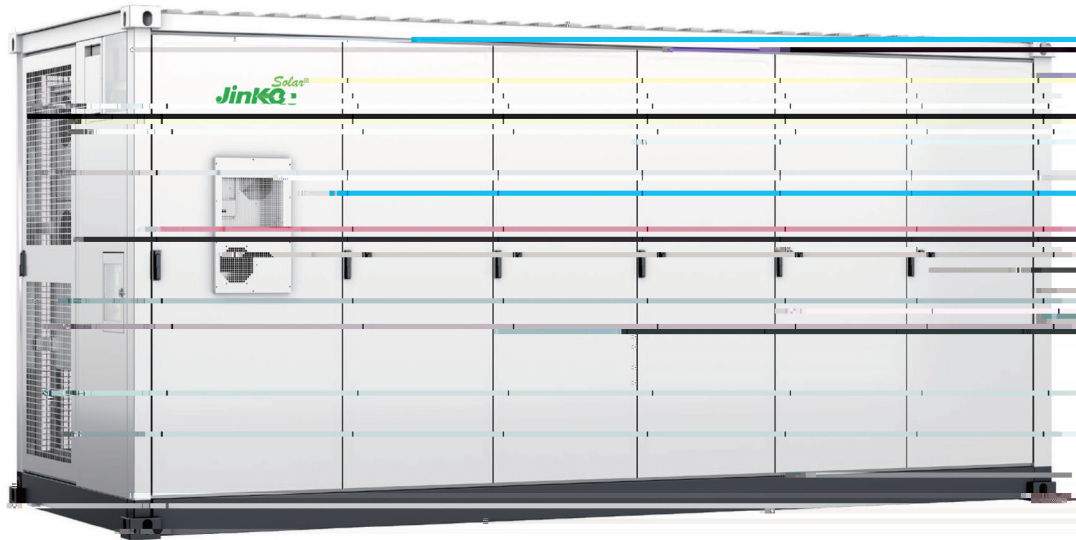


JinkoSolar Delivers 20MWh SunTera Energy Storage System to Baizhang Wind Farm

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 240Ah/512V cells, large capacity, integrated with intelligent management system, and high efficiency, and is suitable for various scenarios. 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

- High efficiency and low temperature difference, 95% efficiency, 15°C temperature difference, effectively improve the system efficiency.
- Intelligent energy management system, can realize the intelligent discharge level.



Flexible configuration

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



Cost reduction and efficiency

- Compact design with high power density, can reduce the system volume and improve the system efficiency.
- The insulated design effectively reduces shipping, installation and maintenance costs.



ESS in Power Generation

Enhance the stability, controllability and controllability of new energy generation to provide supplementary power to the grid.



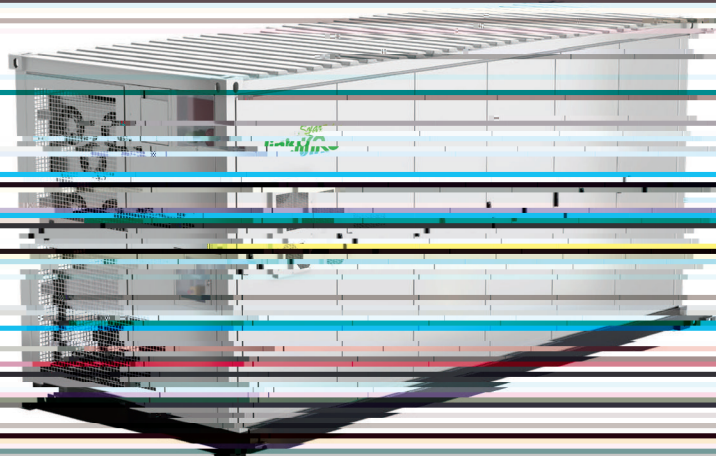
ESS in Grid Side

Participate in grid dispatching to maximize the utilization of grid peak shaving and valley filling, regulate the fluctuation of the new energy and stability of the power system.



ESS in User Side

Relieving the pressure on the power grid, reducing the demand for external power, increasing the security of electricity supply for different customers, improving the security of electricity on the customer side, reducing the cost of electricity, and improving the customer experience using the electricity.



Battery parameter

Type of cell	Lithium Iron Phosphate (LFP)
Cell parameter	3.2V/280Ah
Max. charge/discharge power	125%
Configuration of system	1P24S216P
Rated capacity	3.44 MWh
Rated voltage	1228.5V
Voltage range	1075.2~1293.4V
Cooling method	Liquid Cooling
Operating temperature	-20~50°C
Humidity	10~93% (no condensation)
Altitude	< 2000m / < 6500ft (optional height)
Noise level	< 80dB(A) (2m distance)
IP grade	IP54
Storage temperature	20~45°C
Corrosion-proof grade	C3 (EN ISO 12944-1, I 4 (industrial), C3 (corrosive))
Fire protection	Temperature sensor, smoke sensor, combustion extinguishing gas, water sprinkler
External communication interface	RS485, CAN, GPRS, 4G
Dimension (L×W×H)	5058×2438×2206mm
Weight	≈35000 kg