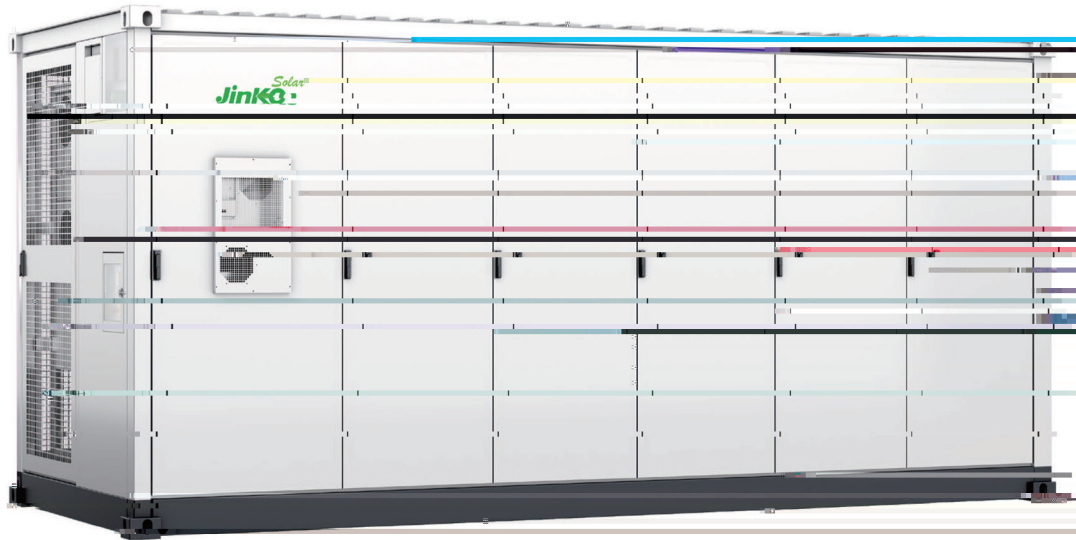


JinkoSolar Delivers 20MWh SunTera Energy Storage System to Baizhang Wind Farm

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

JKE-3440K-2H-LAA

Liquid cooling energy storage system



SunTera is JinkoSolar's new generation of liquid cooling energy storage products, which is equipped with 280Ah/512V cells, large capacity, integrated with the industry's advanced energy conversion technology, and a compact design, which is more suitable for the application of large-scale power storage. It provides customers with highly efficient, integrated energy storage solutions. 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

- High energy density, efficient cooling system, and temperature difference of 15°C, which is 10 times that of the conventional system, effectively improve the system life.
- Intelligent energy management to improve system discharge level.



Flexible configuration

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



Cost reduction and efficiency

- Compact design with high energy density, standard 20ft container design, and 5000W/11kVdc output, reduce the installation and construction costs.
- The integrated design effectively reduces shipping, installation and construction costs.



ESS in Power Generation

Enhance the stability, continuity and controllability of new energy generation to provide a strong support to the demand.



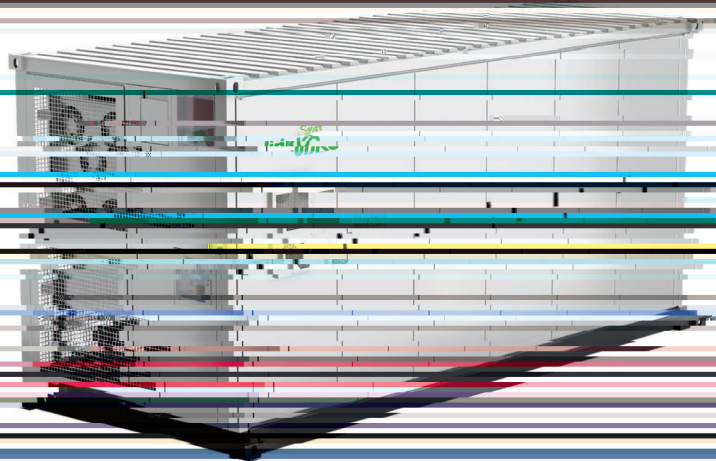
ESS in Grid Side

Participate in grid dispatching to maximize the amount of energy feeding by wind power, regulate power flow enhancing the flexibility and stability of the power system.



ESS in User Side

Reducing the user's electricity cost by increasing the demand for electricity from different customers, improving the security of electricity on the customer's side and thus expanding the customer's space for production and business.



Battery parameters

Type of cell	Lithium iron phosphate (LFP)
Cell parameter	3.2V/220Ah
Max. charge/discharge power	100%
Configuration of system	1U/80S/10P
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 for 3000m)
Max. ambient temperature	≤ 50°C (122°F)
IP grade	IP54
Storage temperature	23~30°C
Corrosion-proof grade	C3 (EN ISO 12944-1, IEC 60096-2, GB/T 19287)
Fire protection	Temperature sensor, smoke sensor, combustion extinguishing gas, water sprinkler
External communication interface	RS485, CAN, GPRS, 4G
Dimension (L×W×H)	5058×2238×2285mm
Weight	≈35000 kg