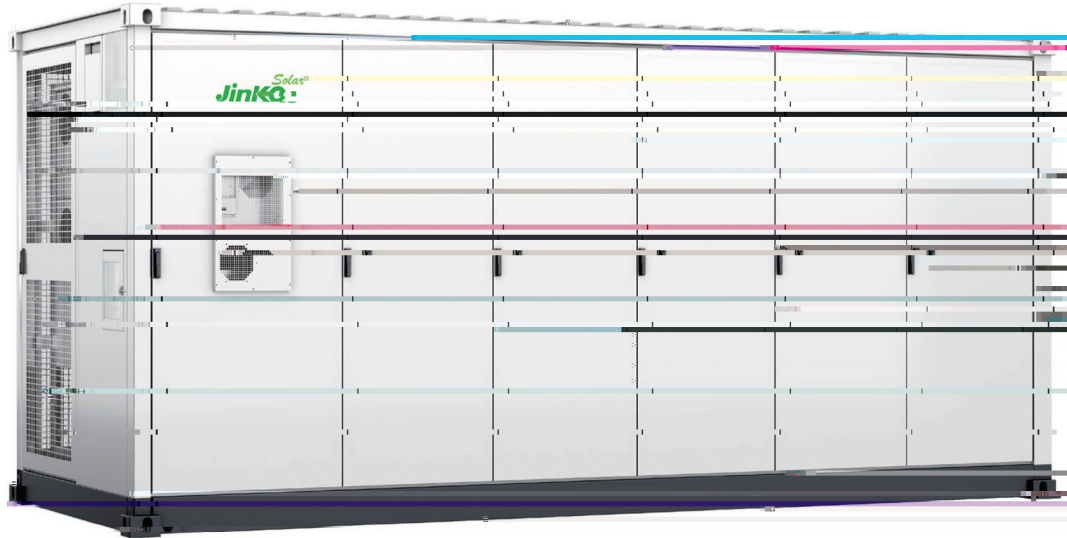


JinkoSolar Delivers 20MWh SunTera Energy Storage System to Baizhang Wind Farm

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 high-voltage lithium iron phosphate cells, and is integrated with JinkoSolar's advanced liquid cooling technology. It is a high-performance energy storage solution 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 provide the mission of energy storage and power system integration, and will continue to provide more reliable products and better experience to customers worldwide.



Safe and reliable

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



Excellent performance

- High-voltage lithium iron phosphate cells and liquid cooling technology to ensure high efficiency and long cycle life
- Different power levels are provided with 100% efficiency
- Effectively improve the system life
- Intelligent control and management to optimize system performance and reduce discharge loss



Flexible configuration

- Modular design to support 1000Wh/1500Wh systems
- Compatible with many tier-1 LFP brands, providing flexible and customized solutions



Cost reduction and efficiency

- Compact design with high power density and standard 20' container
- Container design ensures 2800Wh/400V/100Ah power
- The integrated design effectively reduces shipping and installation costs



ESS in Power Generation

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



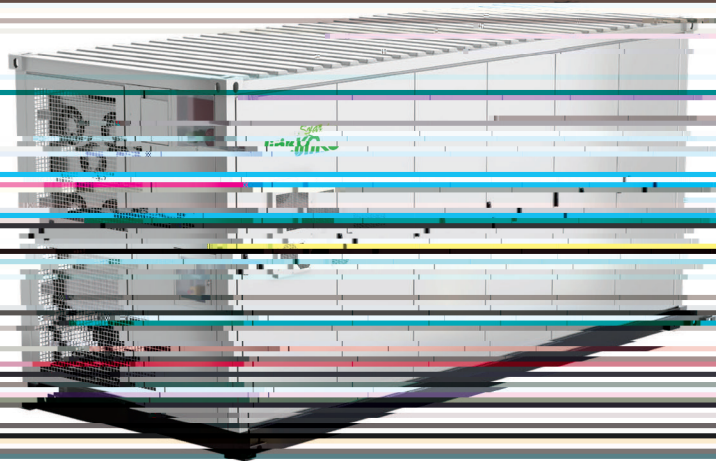
ESS in Grid Side

Participate in grid dispatching to maintain regional supply and demand and frequency regulation, thus enhancing the flexibility and stability of the power system.



ESS in User Side

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



Battery parameter

Type of cell	Lithium Iron Phosphate (LFP)
Cell parameter	3.2V/220Ah
Max. charge/discharge power	1.25C
Configuration of system	1P24S216P
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 configuration)
Noise level	< 30dB(A) (7m)
IP grade	IP54
Storage temperature	23~45°C
Corrosion-proof grade	C3 (EN 12954 / 4) (corrosion / 500h)
Fire protection	Temperature sensor, smoke sensor, combustion extinguishing gas, water sprinkler
External communication interface	RS485, CAN, GPRS, etc.
Dimension (L×W×H)	5058×2438×2895mm
Weight	≈35000 kg