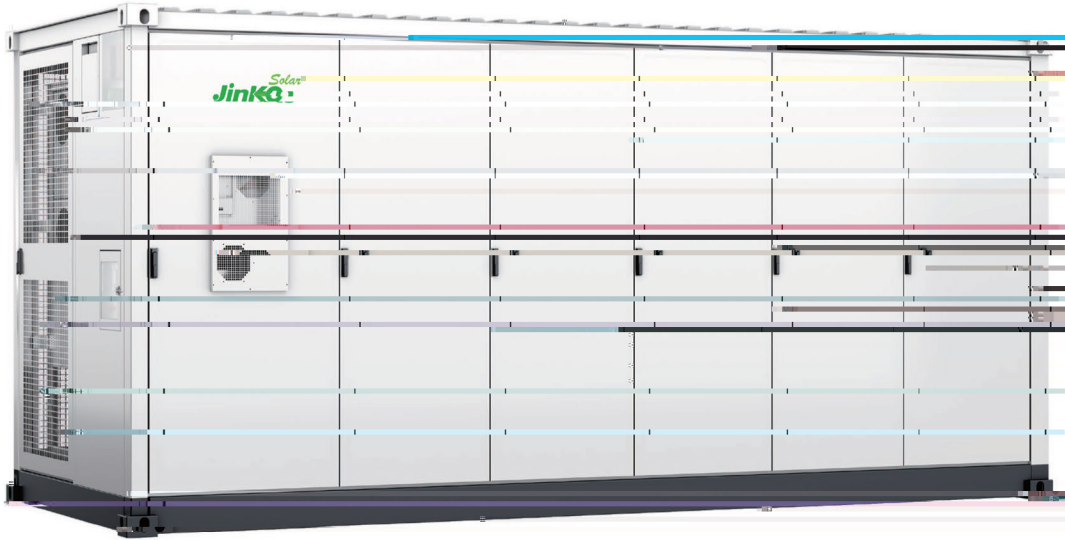


# **JinkoSolar Delivers 20MWh SunTera Energy Storage System to Baizhang Wind Farm**

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 LFP cells and an integrated liquid cooling system. It provides customers with highly efficient and reliable 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 realize early warning.



### Excellent performance

- High efficient liquid cooling technology, the "super battery" can be fully charged within 2-3 hours.
- Intelligently manage the battery to optimize the discharge level.



### Flexible configuration

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



### Cost reduction and efficiency

- Compact design which is highly favorable in station construction.
- The modular design effectively reduces shipping and installation costs.



## ESS in Power Generation

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



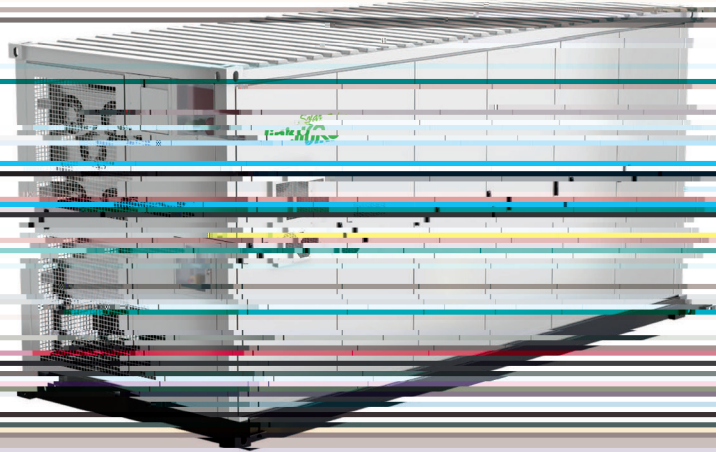
## ESS in Grid Side

Participate in grid dispatching to meet the demand of grid peaking, load capacity regulation, thus enhancing the flexibility and stability of the power system.



## ESS in User Side

Reduce the user's electricity consumption in the demand load, thereby reducing the cost for customers, improving the security of electricity on the customer's side, and thus enhancing the customer's experience of using electricity.



### Battery parameters

Type of cell	Lithium Iron Phosphate (LFP)
Cell parameters	3.2V/280Ah
Max. charge/discharge power	1.05P
Configuration of system	1764S×10
Rated capacity	3.44 MWh
Rated voltage	1220.0V
Voltage range	1075.2~1293.4V
Cooling method	Liquid Cooling
Operating temperature	-20~50°C
Humidity	10%~95% (no condensation)
Altitude	< 2000m / 2000m (optional, for special)
Max. depth	1000mm (10m)
IP grade	IP54
Storage temperature	20~55°C
Corrosion-proof grade	C3 (EN ISO 12944 / GB 19880.1 / GB 19880.2)
Fire protection	Temperature sensor, smoke sensor, combustion extinguishing gas, water sprinkler
External communication interface	RS485, CAN, GPRS
Dimensions (L×W×H)	5050×2436×2850mm
Weight	≈35000 kg