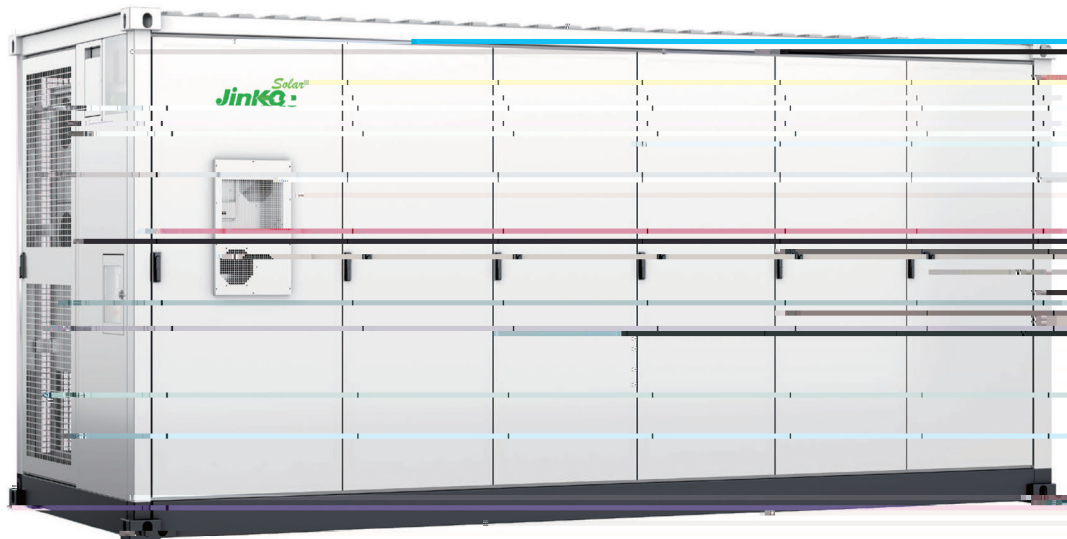


## JinkoSolar Delivers 20MWh SunTera Energy Storage System to Baizhang Wind Farm

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 liquid cooling system, and high efficiency. It is a perfect combination of high efficiency and high safety. JinkoSolar will continue to provide customers with highly efficient integrated energy storage solutions in the new era of intelligent energy storage. 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 and early treatment



### Excellent performance

- High efficiency and low temperature difference, the temperature difference of the battery is less than 5°C
- Effectively improve the system efficiency
- Intelligent liquid cooling management, low maintenance cost



### 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 and low loss
- The insulated design effectively reduces shipping, installation and O&M costs



## ESS in Power Generation

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



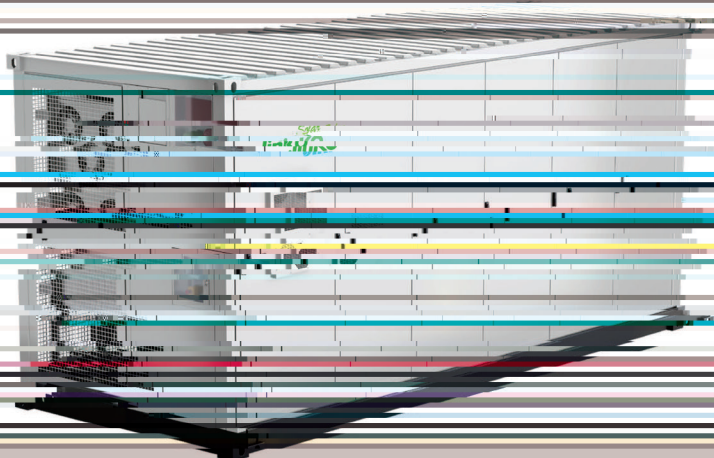
## ESS in Grid Side

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



## ESS in User Side

Reduce the user's electricity consumption, increase the demand for electricity, and increase the security of electricity supply on the customer's side, and thus enhancing the customer's experience of using electricity.



### Key parameters

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| Type of cell                     | Lithium iron phosphate (LFP)                                         |
| Cell parameters                  | 3.2V/280Ah                                                           |
| Max. charged/discharge power     | 1.25C                                                                |
| Configuration of system          | 1704S×10                                                             |
| Rated capacity                   | 3.44 MWh                                                             |
| Rated voltage                    | 1220.5V                                                              |
| Voltage range                    | 1075.2~1282.4V                                                       |
| Cooling method                   | Liquid Cooling                                                       |
| Operating temperature            | -20~50°C                                                             |
| Humidity                         | 10%~90% (non-condensing)                                             |
| Altitude                         | < 2000m / < 6500ft (optional for 0~5000m)                            |
| Air pressure                     | 100.0kPa~109.0kPa                                                    |
| IP grade                         | IP65                                                                 |
| Storage temperature              | 20~55°C                                                              |
| Corrosion-proof grade            | C3 (EN ISO 12944 / GB 19880 / GB 4894)                               |
| Fire protection                  | Temperature sensor, smoke sensor, extinguishing gas, water sprinkler |
| External communication interface | RS485, CAN, GPRS, etc.                                               |
| Dimensions (L×W×H)               | 5050×2450×2850mm                                                     |
| Weight                           | ≈35000 kg                                                            |