





SUNTERA

JKE-3727K-1H-LFA



SunTera is JinkoSolar's new generation of liquid cooling energy storage product, which is equipped with 280Ah LFP cells and integrated with the industry's advanced design concept. SunTera is a safe, reliable, low-cost and high-performance product 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 uphold the mission of changing the energy structure and taking responsibility for the future to provide more reliable products and better experience to customers worldwide.

Safe and Reliable



Advanced LiFePO4 technology

-  Pre-assembled and debugged in factory, shorter constructing time, less constructing cost.
-  Liquid cooling, reducing 20% system energy consumption and having longer battery cycle life.



Intelligent BMS

-  Integrated intelligent battery management system and optional cloud EMS.
-  Fast state monitoring and faults record enables pre-alarm and faults location.

Premium Quality Assurance

-  Integration with ISO 26262 & IATF 16949 certificates.
-  Quality assurance and control is involved at all stages to ensure that our products are of the highest quality and are safe & reliable.

Comprehensive Service

-  10 years global limited warranties
-  One stop service with local support capabilities



ESS in Power Generation

Support the widescale deployment of renewable energy and provide ancillary services of the grid



ESS in Power Transmission and Distribution

Release existing transmission capacity and relieve network peak load



ESS in Power Consumption

Supplement to the electricity supply, reducing the cost and ensuring the stable power network



Items	Parameters
Type of cell	Lithium Iron Phosphate(LFP)
Cell parameter	3.2V/280Ah
Max. charge/discharge power	1P
Configuration of system	1P416S×10
Rated capacity	3.727MWh
Rated voltage	1331.2V
Voltage range	1123.2V~1518.4V
Cooling method	Liquid Cooling
Operating temperature	-20~55 C
Humidity	≤95%RH, no condensation
Altitude	< 2000m / <4000m (optional, derating)
Noise level	≤75 dB @1m(3.28ft)
IP grade	IP55
Storage temperature	-20~45 C (1 Month)
Corrosion-proof grade	C3/ C4 (optional) / C5(optional)
Fire protection	Temperature sensor+Smoke sensor+combustible gas detector+deflagration venting+fire extinguishing gas+water sprinkler
Communication interface	Ethernet/RS485/CAN
Dimension(L×W×H)	6058*2462*2896mm
Weight	≈37000 kg