



Utility ESS

SunTera Liquid Cooling ESS

JKE-3760K-2H-LAA



Higher security

Multi-layer protection from cell to system



Lower auxiliary power consumption

Multiple liquid cooling control modes



Longer service life

Lower Temperature difference



Higher energy density

Container capacity: 3.76 MWh



Higher discharge efficiency

Cluster level management



Lower O&M costs

Remote monitoring, intelligent operation and maintenance

JKE-3760K-2H-LAA

Liquid cooling energy storage system



SunTera is JinkoSolar's new generation of liquid cooling energy storage product, which is equipped with 306Ah 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

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



Excellent performance

- Highly efficient liquid cooling technology, the temperature difference of cell is controlled within 2.5 °C, which effectively improve the system life
- Intelligent cluster-level management to improve system 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 with side-by-side layout and standard 20ft container design ensures 7.52MWh capacity in 40FT space
- Pre-installed design effectively reduces shipping, installation and O&M 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 meet the demand of grid peaking and frequency regulation, thus enhancing the flexibility and stability of the power system.



ESS in User Side

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



Model	JKE-3760K-2H-LAA
Nominal Battery Energy (MWh)	3.760
RACK Number	10
Available Battery Energy (MWh)	3.55
Nominal Voltage(V)	1228.8
Nominal Charge and Discharge Current (A)	1530(0.5P)
Maximum Charge and Discharge Current(A)	2154
Nominal Charge and Discharge Power(MW)	1.880
Nominal Capacity (Ah)	306
Voltage Range (V)	1075.2~1382.4
Charging Temp. Range(°C)	0~50
Discharging Temp. Range(°C)	-20-50
Net Weight (T)	36
Dimension[mm, W*D*H]	6058*2438*2896
Calendar Life	20 years(1day/1cycle ,@25°C, 64%SOH, 95%DOD)
Cooling Method	Liquid Cooling
Protection Level	IP54
Altitude	≤2000m
Battery Module Type	Lithium Battery
Certification	UN38.3, UL1973, UL9540A, UL9540, AS3000, IEC62619, IEC62477, IEC61000, IEC63056, NFPA855
Corrosion Protection Level	C3 (C4/C5 Optional)
Design Snow/Ice Load(Pa)	1436
Design Wind Load(m/s)	24.5
Average Noise (dB)	≤80
External Message Communicaiton	2*LAN/1*Fiber
Communication with PCS	1*CAN/1*485/1Dry junction
UPS Backup Time(min)	30

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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