

JinkoSolar Supply 3.44MWh C&I ESS Safety Solution of Enaiter Electrical Co., Ltd.

JinkoSolar has supplied 16 sets of its liquid cooling C&I energy storage system (ESS) SunGiga, with a capacity of 3.44MWh for Enaiter Electrical Co., Ltd., located in Zhongshan, Guangdong.

This system is mainly used to implement peak valley arbitrage, manage demand charges, and improve power supply reliability. The unique ESS safety solution of JinkoSolar's SunGiga is the main reason that enables it to be selected and preferred by C&I customers and owners who regard "safety" as a top concern about ESSs.

The featured liquid cooling system of JinkoSolar's SunGiga controls the temperature difference between cells within the industry's slowest level of 2 Celsius degrees. The uniformity batteries and

packs significantly minimize battery regionally overheating and prolong the life cycle to 20 years. More importantly, the highly efficient and uniform cooling aided by smart monitoring of coolant flow and replenishment avoids the overheat of battery cells which is the primary factor causing fire.

In addition, based on AI technology, early ESS safety management integrates smart safety pre-warning to identify potential faults. For example, if cell inconsistency is identified, short circuits of a large number of cells can be prevented in a timely manner. Furthermore, multiple-level over-current protection, active shutdown, and quick isolation of thermal runaway spread minimize the risk.



