

JinkoSolar Supplies 25 Sets SunGiga C&I Energy Storage System in Guangdong

JinkoSolar, the global leading solar PV and ESS solution supplier, announced that it has delivered 25 sets of its liquid cooling C&I energy storage systems (JKS-215KLAA-100PLAA) to Xiaodong Renewable Energy Co. Ltd., endowing a total capacity of 5.375 MWh, in Dongguan, China's Guangdong province.

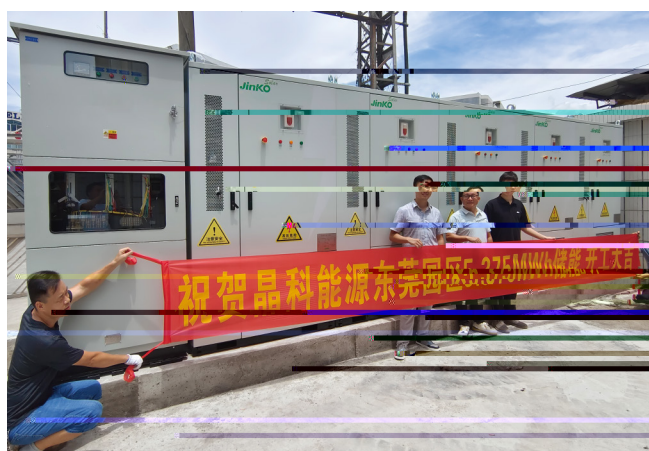


Figure 1: Project Photos

Located in 5 industrial parks, the 25 sets of JinkoSolar' s SunGiga liquid cooling storage system (ESS) coupled with renewable energy contribute to grid stability. In addition, the high price of electricity during peak period in Guangdong Province brings a considerable amount of electricity expenses to enterprises, so these 5.375 MWh products play a key role in peak shaving and valley filling.

JinkoSolar' s SunGiga C&I ESS is a portfolio with a battery capacity ranging from 200kWh to 2MWh, available for two- to four-hour applications. The solution combines lithium-ion batteries, a power conversion system (PCS), an energy management system (EMS), and a fire suppression system (FSS), streamlining the transportation, installation, and operation and maintenance (O&M).

“Safety, Smart and Easy” is the design philosophy of SunGiga the new generation liquid cooling C&I ESS. As a result of advanced technologies, the SunGiga boasts an advanced liquid cooling battery system, enabling precise temperature control and temperature differences between cells that are no greater than 2℃, extending the lifetime of batteries and significantly improving the charging and discharging efficiency. It offers an all-round comprehensive safety design from the cell to system level. AI-assisted cell monitoring technology performs high-precision online computing of cell status and provides early-stage warnings to prevent thermal runaway. Five layers of monitoring and controlling mechanisms to detect any abnormalities. The perfluoro fire protection system is normally equipped within this product. As a result, it ensures system safety across multiple aspects.

Furthermore, the automatic state of charge (SoC) calibration and the automated coolant refilling system considerably reduce operation and maintenance (O&M) costs.



