

JinkoSolar C&I ESS, SunGiga, has successfully Connected to the Grid

JinkoSolar, today announced that it has delivered its liquid cooling storage system SunGiga for a C&I project in Suzhou. The highly integrated 430kWh energy storage system, which is mainly used for peak shaving, peak valley arbitrage, saving space, and streamlining the installation process, will offer high profitability, safety, and flexibility to the customer.



Figure 1: Project Photos

This highly robust, smart, and doubled safety product SunGiga is designed for a set-it-and-forget-it installation and operation.

SunGiga’s module design allows for additional storage capacity to be added or removed to fine-tune the system to meet the storage demands of many more consumers than would be allowed with a fixed-capacity battery system. This is something that is customized once with the purchase of the system but could also

Energy density is the amount of power per volume, meaning that the SunGiga can store the amount of energy in the same p

The safety issue of energy storage systems is a tremendous concern for customers. For traditional HVAC air cooling ESS, the poor uniformity between batteries, high auxiliary power consumption, inefficient heat dissipation, and other safety risks and lower projected revenue. With increased energy density, JinkoSolar’s SunGiga liquid cooling C&I energy storage system provides an all-around safety-assured total ESS solution from battery, rack, pack, and cabinet to the

The new unit also comes with an active management and AI-based managing system that can operate while using 30% less power.

Energy storage in the commercial and industrial segment is poised for growth over the next few years. China will be one of the largest incremental markets. C&I energy storage gains localized policy and economic support to assist in solving its power supply shortage, particularly in eastern and southern regions. Power outages caused by supply-demand imbalance bring substantial economic loss, and energy storage plays a key role in the increased interest in backup power. On the other hand, the electricity cost for C&I is relatively high in some regions. Driven by increasing time-of-use electricity price, and favorable government policies, ancillary services, the C&I ESS market will continue to grow.

JinKo 215 K

Battery Parameter

Cell type

Max. charging/discharging rate

Cell combination method