

Jinko ESS Utility-Scale and C&I Energy Storage



About Us

JinkoSolar Holdings is a publicly listed company on the NYSE and STAR, serving as an advanced investment platform in the clean energy sector. It has strategically invested in leading enterprises across various segments within the photovoltaic industry ecosystem.

Jinko ESS, is a strategic arm of Jinko, and aims to become one of the world's leading energy storage solutions providers, specifically designed for commercial, industrial, utility and residential applications.

Our Efforts Towards A Sustainable Future

As a publicly listed company on the NYSE and STAR, we are legally required to make and keep accurate records which truthfully and accurately reflect all corporate transactions and maintain an adequate system of internal accounting controls.

JinkoSolar respects and promotes the Universal Declaration of Human Rights and adheres to the principles of the United Nations Global Compact, as well as to the UN Guiding Principles on Business and Human Rights.

Global Footprint



Key Facts

No.1 in global PV shipments for 5 consecutive years.	260GW Delivered.	26%+ N-type efficiency.
10+ Global production facilities.	35+ Service centres.	200+ Countries.
57.000+ Employees.	460+ TopCon patents.	Top 50 Most sustainable companies according to Forbes China.

Figures updated by Q2 2024.

Our Energy Storage Portfolio

We strive to offer cutting-edge energy systems which are both comprehensive and innovative, recognizing energy storage as the future.



Utility Storage



Industry Storage



Residential Storage

BNEF Tier 1 Energy Storage Provider

JinkoSolar has made it to the prestigious BNEF Tier 1 List.

Our storage brand Jinko ESS secured its position on the esteemed Bloomberg NEF Tier 1 Energy Storage list, demonstrating the superior quality and bankability of its energy storage solutions.

This distinction underscores our unwavering commitment to reliability and efficiency, exceeding industry standards and providing customers with the the most trusted energy storage options available.



Utility Storage



SunTera Utility Energy Storage offers energy-optimised (0.5P) configurations such as 3.44 MWh, 3.76 MWh, alongside our innovative platform approach offering 5 MWh of LFP battery capacity. We also offer a power-optimised (1P) solution with 3.72 MWh of LFP capacity, all fitting within a 20-foot container footprint.

SunTera is multi-functional and excels in grid stabilisation, peak shaving, and integrating renewables, ideal for diverse energy storage needs.

Key Benefits



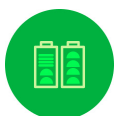
Peak Shaving

SunTera excels in peak shaving, reducing energy costs by managing power consumption during peak demand times.



Intelligent Energy Management

With advanced intelligent energy management, SunTera optimizes energy usage by analysing and responding to consumption patterns.



High Efficiency

SunTera provides a highly efficient reserve of energy ensuring a reliable and effective resource for the grid with minimal losses. Ideal for energy trading.



Quiet Operation

SunTera operates quietly, making it suitable for use in noise-sensitive environments without causing disruptions.



Safety first, always

Safety is paramount with SunTera, incorporating advanced safety features and rigorous testing to ensure the highest standards of protection for users and equipment.



Liquid Cooling

SunTera's liquid cooling system efficiently manages the temperature of the battery system, enhancing performance and maximising the lifetime of the components.

SunTera Specifications

Model	SunTera 5 MWh	SunTera 3.44 MWh
Type of Cell	Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Capacity (BOL)	5 MWh	3.44 MWh
Cell Parameters	3.2V/314Ah	3.2V/280Ah
Battery Voltage	1331.2V (nominal), 1497.6V (charge)	1228.8V (Nominal), 1382V (charge)
Max. Charge / Discharge Power	0.5P or 0.25P	0.5P or 0.25P
Dimensions	6058×2438×2896mm	6058×2438×2896mm
Weight	≈42000 kg	≈35000 kg
Degree of Protection	Site specific, up to C5 (EN ISO 12944)	Site specific, up to C5 (EN ISO 12944)
Cooling Method	Liquid Cooling	Liquid Cooling
Environmental Temperature	-30~55°C	-20~50°C
Environmental Humidity	≤95% RH, Non-Condensing	≤95% RH, Non-Condensing
Altitude	≤2000m / <4000m (optional, derating)	≤2000m / <4000m (optional, derating)
IP Grade	IP55	IP54
Communication Interface/Protocol	Ethernet / Modbus / Fibre (optional)	Ethernet / Modbus / Fibre (optional)
Certifications	IEC62619, UL1973, UL9540A, IEC63056, IEC61000, UN38.3	IEC62619, UL1973, UL9540A, IEC63056, IEC61000, UN38.3
Installation Location	Outdoor	Outdoor

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Note: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in datasheets are subject to change without notice.

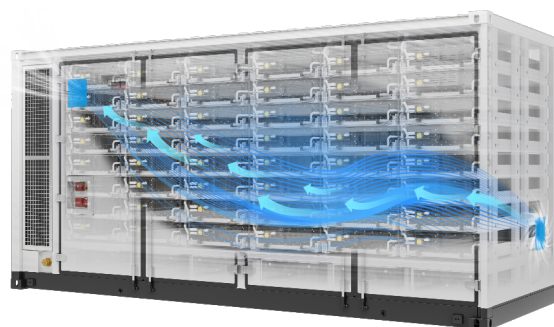
To ensure the highest level of satisfaction, we have a dedicated team to assist you. Reach out to us anytime or follow us on social media to discover more about our energy storage solutions.

E-mail
bess.eu@jinkosolar.com

Website
jinkosolar.eu/ess



Jinko ESS Europe



www.jinkosolar.eu

Commercial & Industrial Storage



Our SunGiga product line is available in a range of voltage and capacity options, with each configuration being fully integrated with the latest cutting-edge Lithium Iron Phosphate (LFP) batteries and advanced Battery Management capabilities. Coupled with a variety of PCS options, dedicated Thermal Management and Fire Suppression systems.

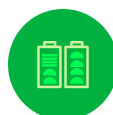
SunGiga is perfectly suited for cost-effective and rapid deployment to serve a wide variety of grid applications.

Key Benefits



Peak Demand Management

SunGiga efficiently handles peak demand management, reducing energy costs by balancing load during high demand periods and optimizing energy distribution.



Energy Backup

SunGiga offers robust energy backup solutions, ensuring uninterrupted power supply during outages and maintaining operations without any downtime.



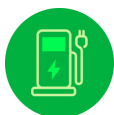
Renewables Integration

With SunGiga, integrating renewable energy sources becomes seamless, storing excess energy generated from solar and wind and utilizing it when needed, promoting sustainability and reducing reliance on fossil fuels.



Infrastructure Enhancement

SunGiga enhances existing energy infrastructure by providing additional capacity and stability, helping to modernize and future-proof energy systems.



EV Charge Support

Supporting electric vehicle (EV) charging infrastructure, SunGiga enables efficient and reliable charging solutions, accommodating the growing demand for EVs and contributing to a greener transportation sector.



Arbitrage

SunGiga facilitates energy arbitrage by storing energy when prices are low and discharging when prices are high, optimizing energy costs and maximizing economic benefits for users.

SunGiga Specifications

Model	SunGiga 215 All in One	SunGiga 344
Battery Model	Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Charge / Discharge Rate	215 kWh	344 kWh
Battery Nominal Energy (kWh)	3.2V/280Ah	3.2V/280Ah
Battery Voltage	768V (nominal), 864V (charge)	1228V (nominal), 1382V (charge)
Nominal AC Output Power	≤ 0.5P	≤ 0.5P
Power Electronics Cooling	Forced Air Cooling	Forced Air Cooling
Battery Cooling Type	Liquid - Water Glycol	Liquid - Water Glycol
Environment Temperature Range	-20 to +50°C	-20 to +50°C
Environmental Humidity	≤ 95% non-condensing	≤ 95% non-condensing
Operating Altitude	≤ 3000m	≤ 3000m
Degree of Protection	IP54	IP54
Anti-Corrosion Grade (Optional)	C5 (EN ISO 12944)	C5 (EN ISO 12944)
Weight	< 2800kg	< 3000kg
Seismic Grade	Level 7	Level 7
Fire Suppression System	FM200 / Novec 1230 / Aerosol	FM200 / Novec 1230 / Aerosol
Cabinet Dimensions (W x D x H)	1300 x 1300 x 2300mm	1300 x 1300 x 2300mm
Certifications	IEC62619, UL9540A, UL1973, IEC61000	IEC62619, UL9540A, UL1973, IEC61000
Communication Interface/Protocol	RS485 / Canbus / Ethernet / Modbus	RS485 / Canbus / Ethernet / Modbus

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To ensure the highest level of satisfaction, we have a dedicated team to assist you. Reach out to us anytime or follow us on social media to discover more about our energy storage solutions.

E-mail

bess.eu@jinkosolar.com

Website

jinkosolar.eu/ess



Jinko ESS Europe



www.jinkosolar.eu

