SunGiga G2
261 kWh

COMMERCIAL & INDUSTRIAL BATTERY SYSTEM

Jinko ESS SunGiga G2 is a compact, all-in-one liquid-cooled energy storage system designed for commercial and industrial applications.

It integrates battery modules, PCS, BMS, thermal management and fire protection into a single factory-tested cabinet, delivering 261 kWh of usable energy. The system combines high safety and reliability, flexible deployment and an intelligent liquid-cooling, enabling scalable, efficient and secure energy storage across a wide range of application scenarios.



Key Features

In-House LFP Cell Technology

In-house developed 314Ah LFP cells ensure consistent quality control, secure supply stability and long-term product reliability, supporting up to 8,000 cycles.

Increased Energy Density

Provides 261 kWh of usable energy within approximately 1.5 m^2 footprint, improving footprint energy density by 33% compared to the previous generation.

Flexible Grid & Stand-Alone Capability

Integrated PCS supports both grid-connected and stand-alone operation modes, enabling adaptable deployment.

Plug-and-Play Integration

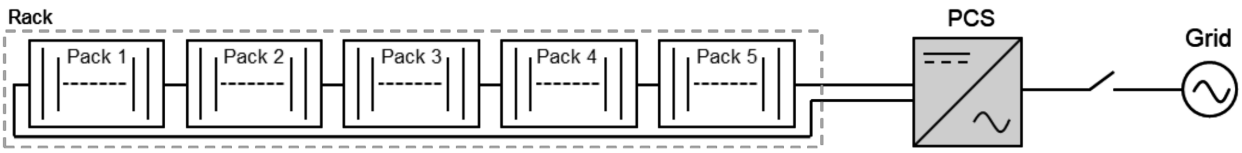
Delivered as a fully assembled and factory-tested system, reducing on-site installation time, simplifying commissioning and lowering overall project execution risk.

Multi-Layer Safety & Protection Concept

Cell-to-system protection combining thermal, electrical and fire safety layers, with multi-sensor detection and controlled gas exhaust.

Scalable Deployment

Supports parallel connection of up to 12 cabinets, allowing flexible capacity expansion.



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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.

JKS-261KLAA-125PLAB-EU-A2

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Battery Parameters (DC Side)	
Cell Type	Lithium Iron Phosphate (LFP)
Cell Parameters	3.2 V / 314 Ah
Max. Charge / Discharge Power	0.5 P
Configuration	1P260S
Nominal Capacity	261 kWh
Nominal Voltage	832 V
Operating Voltage Range	728 V ~ 936 V

System Parameters	
Dimension (L×W×H)	1,100 × 1,430 × 2,400 mm
Weight	2,850 kg
Cooling Method	Liquid Cooling
Operating Temperature	-30 ~ 55 °C, derating from 45°C
Operating Humidity	≤ 95% RH, no condensation
Operating Altitude	≤ 3,000 m
IP Rating	IP55
Corrosion Class	C3 (C5 optional)
Fire Suppression System	Aerosol fire suppression system with integrated smoke, temperature and flammable gas detection
Max Units in Parallel	12 units
Communication Protocol	Modbus TCP/IP (via Ethernet)
Compliance	IEC 62619, IEC 62477, IEC 63056, IEC 61000, UL 9540A, UN 38.3

PCS Parameters (AC Side)	
Nominal AC Power	130.5 kW
Nominal AC Voltage	400 V_{AC} (3P4W)
Nominal Frequency	50 Hz/60 Hz
THDi / Harmonic Limits	<3%

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