

# SunGiga G2

## 261kWh

### Liquid Cooling ESS Solution

The Jinko 261 kWh Liquid-Cooled Integrated Cabinet is a compact, all-in-one energy storage solution for 1000V applications. It fully integrates the battery, BMS, PCS, and fire protection to deliver 261 kWh of capacity and 130.5 kW of power. Designed for flexible deployment, it ensures high safety, intelligent thermal management, and advanced system control in a single, streamlined unit.



#### In-house LFP Cell for Longevity & Reliability

Utilizes proprietary 314Ah LiFePO<sub>4</sub> cells, ensuring quality control and supply stability. Supports over 8,000 cycles for extended service life and lower lifecycle cost.

#### Higher Energy Density in Compact Design

Achieves 28% higher energy density with 10% reduced volume. Occupies only 1.5m<sup>2</sup> footprint, boosting system density by 33%.

#### Pre-integrated & Plug-and-play System

Fully assembled and tested at factory for quick installation. Reduces on-site deployment time and simplifies logistics and commissioning.

#### Flexible & Safe Operation

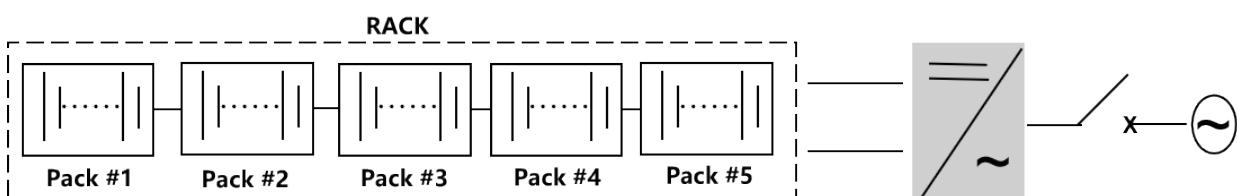
Hybrid inverter (PCS) supports both on-grid and off-grid modes. Features controlled venting for thermal runaway management and integrated fire alarm linkage.

#### Advanced Thermal Management

Precise temperature control with non-uniform flow channel design. Maintains cell temperature variation within  $\leq 2^{\circ}\text{C}$ , enhancing safety and lifespan.

#### Scalable & Rugged Configuration

Supports expansion of up to 12 cabinets for flexible capacity. Wide operating temperature range ensures performance in harsh climatic conditions.



## DC Side

Cell Type	LFP 3.2V/314Ah
Max. Charge/Discharge Power	0.5P
System Configuration	1P260S
Pack Quantity	5 pcs
Nominal Capacity	261 kWh
Rated Voltage	832V
Nominal Voltage Range	728V~936V

## AC Side

Rated AC Power	130.5 kW
Rated Voltage	400 Aac (3P4W)
AC Connection	3P4W
Rated Frequency	50/60 Hz
THDi	<3%

## General Data

Operating Temperature	-30°C~55°C, derating > 45°C
Operating Humidity	≤95%RH, without condensation
Operating Altitude	≤3000m
Ingress Protection	IP55
Cooling Method	Liquid cooling
Max Parallel Quantity	12 units in parallel
Fire Suppression System	System Aerosol Gas extinguisher + smoke detection + temperature sensing + flammable gas detection (optional)
Corrosion Protection Class	C3 (C5 Optional)
Communication	RS485/CAN/Ethernet
Dimensions (W×D×H)	1100x1400x2400 mm
Weight	2850 kg
Compliance Standards	IEC 62619, IEC 62477, IEC 60730, IEC 63056, IEC 61000, IEC 62040, IEC 62933, IEC1542, UN 38.3, UL 9540A, UL 9540, UL 1973, UL 1741, NFPA 68