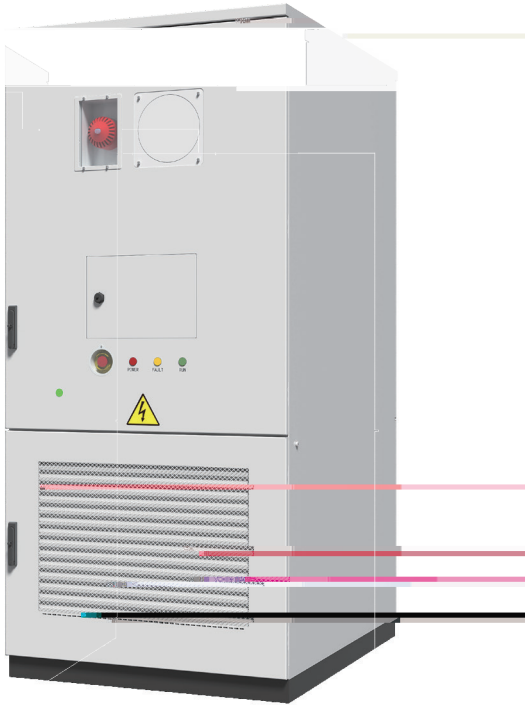
SunGiga G2

261kWh

Liquid Cooling ESS Solution



In-house LFP Cell for Longevity & Reliability

Utilizes proprietary 314Ah $LiFePO_4$ 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 1.5m² 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

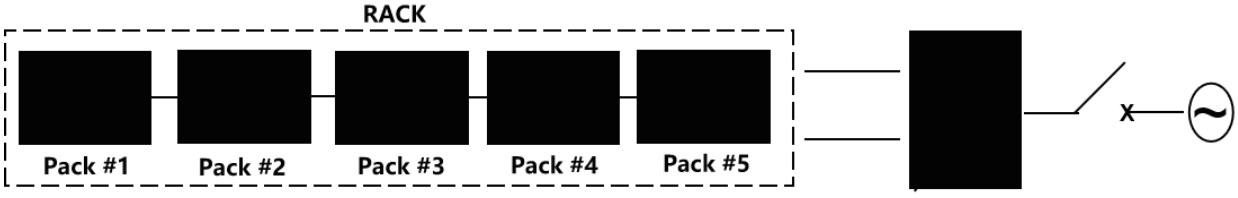
Hybrid inverter (PCS) supports both on-grid and o -grid modes. Features controlled venting for thermal runaway management and integrated fire alarm linkage.

Advanced Thermal Management

Precise temperature control with non-uniform flow channel design. Maintains cell temperature variation within ≤2 , 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/Dischage 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 Vac
AC Connection	3P4W
Rated Frequency	50/60 Hz
THDi	3%

General Data

	-30 ~55 , derating > 45°C
	≤ 95%RH, without condensation
	≤ 3000m
	IP55
Cooling Method	Liquid cooling
Max Parallel Quantity	12 units in parallel
	System aerosol gas extinguisher + Smoke detection + Temperature sensing +Flammable gas detection
	C3 (C5 Optional)
	RS485/CAN/Ethernet
	1100x1430x2400 mm
	≈ 2,850 kg
Compliance Standards	IEC 62619, IEC 62477, IEC 60730, IEC 63056, IEC 61000, IEC 62040, IEC 62933, UN 38.3, UL 9540A, NFPA 69

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