2.5MWh Liquid-Cooled Battery Energy Storage System Container

PRODUCT FEATURES

High Safety Performancel

- Real-time precise monitoring of each battery cell's voltage and temperature.
- Efficient liquid-cooled circulation design for rapid heat dissipation and balanced temperature distribution among cells.

Intelligent and Efficient

- Compact, integrated design for space-saving deployment.
- Equipped with intelligent EMS system which supports multiple control strategy including remote upgrade & adjustment strategy.
- Smart charging/discharging strategies for optimal peak-valley arbitrage.

Flexible & Convenient

- Modular design with pre-integration for fast installation and commissioning.
- Supports power/capacity expansion with multiple configuration options.
- The cloud platform supports 7×24 monitoring, fault alarm, and data storage.

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PRODUCT SPECIFICATIONS

Product Specifications	GF-2508/1250L
Battery Cell	LFP
Battery Cell Type	314Ah
Group Mode	6*1P416S
Rated Charge/Discharge Ratio	0.5P
Rated Capacity	2507.98kWh
Rated DC Voltage	1331.2V
DC Voltage Range	1040~1518.4V
Rated AC Power	1250kW
Rated AC Voltage	690Vac
Rated Grid Frequency	50Hz/60Hz
Cooling Method	Inteligent Liquid Cooled
Dimension(w*D'H)	6058*2438*2896mm
Weight	24000kg
Degree of Protection	IP54
Operating Temperature Range	-20~55^{0}C
Relative Humidity	0%~90%(Non-Condensing)
Working Altitude	<4000m(>2000m Derating)
Fire Protection System	Pack-Level Fire+Cabin-level Fire Protection
Communication	CAN/RS485/Ethernet
Standards	Pack level UN38.3; IEC62619:2022; EN IEC61000-6-2:2019; ENIEC61000-6-4:2019; EN 62477-1:2012+A1:2017; EN 62477-1:2012+A12:2021; IEC 63056:2020;

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