

ESS Cabinet 125kW/261kWh

Liquid-cooled battery storage system for C&I Applications

PRODUCT OVERVIEW

Liquid-cooled energy storage system based on prismatic LFP ESS Cells 314Ah with high cyclic lifetime.

Improved safety characteristics and specially optimised for the highest requirements on safety, reliability and performance.
Suitable for Commercial & Industrial applications.



CERTIFICATIONS & COMPLIANCE

- **Product certifications and compliance:**
IEC 62619, IEC 62477, IEC 60730, IEC 61000, UN 38.3
- **Environmental compliance:**
RoHS, REACH, Cobalt free
- **Eco-friendly:**
Low noise, new type of eco-friendly refrigerant, high recyclability.

HIGH SAFETY

- High thermal stability thanks to liquid cooling.
- Multistage fire detection & suppression system.
- Use of highly safe prismatic LFP cells.
- Ultra-wide operating temperature range.

LOW LCOS (LEVELISED COST OF STORAGE)

- Excellent thermal management improves energy throughput by ensuring optimal operating temperature
- High energy density.
- Highly integrated, including PCS, thermal management system, fire protection system, BMS, EMS.

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GENERAL		AC SIDE PARAMETERS	
Battery Type	LFP 314Ah	Nominal Voltage	400Vac, 3W+N+PE
Module Configuration	1P52S	Nominal Grid Frequency	50Hz/60Hz
No. of Battery Modules	5	Nominal Power	125kW
Cooling Method	Liquid cooling	Maximum Power	137kW
Dimensions (L x W x H)	1350 x 1000 x 2380 mm	Nominal Output Current	180A
Weight Cabinet	≥ 2.7t	Maximum Output Current	200A
Protection Level	IP 55	Communication Interface	CAN/RS485
Operating Temperature	-30 °C ~ 50 °C		
Altitude	≤ 4000m (>2000m derating)		
DC SIDE PARAMETERS		SAFETY MEASURES	
Nominal Voltage	832 V	Fire Alarm System	Smoke detector, Temperature detector
Operating Voltage	715V~923V	Fire Suppression Measures	Aerosol fire suppression system, Deflagration Vent, Fire Hose Coupling
Nominal Energy Cabinet	261 kWh		
Nominal Energy Module	52.2kWh		
Nominal Charge/Discharge Rate	0.5 P / 0.5 P		
Communication Interface	CAN/RS485/Ethernet		
		CERTIFICATIONS	
		Safety Certifications	IEC 62619, IEC 62477 IEC 60730, IEC 61000, UN38.3
		PCS Certifications	EN 50549-1, G99, VDE4110
		Compliance	RoHS, REACH, Cobalt free

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