HITHIUM

ESS Cabinet 125kW/261kWh

Liquid-cooled battery storage system for C&I Applications



Liquid-cooled energy storage system based on HiTHIUM 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.

- Product certifications and compliance:
  IEC 62619,IEC 62477,IEC60730,IEC61000,UN 38.3
- Company certifications:
  ISO 9001, ISO 14001, ISO 45001, SA 8000
- 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 HiTHIUM 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	
Battery Type	HiTHIUM LFP 314Ah
Module Configuration	1P52S
No. of Battery Modules	5
Cooling Method	Liquid cooling
Dimensions (L x W x H)	1350 x 1000 x 2380 mm
Weight Cabinet	≥ 2.7t
Protection Level	IP 55
Operating Temperature	-30 °C ~ 50 °C
Altitude	≤ 4000m (>2000m derating)

DC SIDE PARAMETERS	
Nominal Voltage	832 V
Operating Voltage	715V~923V
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

AC SIDE PARAMETERS	
Nominal Voltage	400Vac, 3W+N+PE
Nominal Grid Frequency	50Hz/60Hz
Nominal Power	125kW
Maximum Power	137kW
Nominal Output Current	180A
Maximum Output Current	200A
Communication Interface	CAN/RS485

SAFTY MEASURES	
Fire Alarm System	Smoke detector, Temperature detector
Fire Suppression Measures	Aerosol fire suppression system, Deflagration Vent, Fire Hose Coupling

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