

# ESS Cabinet

## 125kW/261kWh

Liquid-cooled battery storage system for C&I Applications



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 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.

# ESS **Cabinet** 125kW/261kWh

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## GENERAL

Battery Type	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