

∞Block 418 kWh

Liquid-cooled battery storage system



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

Improved safety characteristics and specially optimised for the highest requirements on safety, reliability and performance. Suitable e.g. for industrial, utility, and grid serving applications.

Secure

- The cabinets are independently designed, and in the event of a thermal runaway, it will not spread to other cabinets
- PACK-level and cluster-level independent aerosol fire suppression
- Structural Design – Extreme condition tolerance

Convenient

- Compatible with both string-type and centralized parallel operation methods
- The external connection layout inside the cabinet is clear and easy to connect
- Support querying device operation information through the cloud

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GENERAL

Battery Type	HiTHIUM LFP 314Ah
Module Configuration	1P52S
No. of Battery Modules	8
Cooling Method	Liquid cooling
Configuration	Serial connection of modules
Communication Interface	CAN/RS485/Ethernet
Application Altitude	≤ 4000 m (>2000m derating)

ELECTRICAL

Nominal Voltage Cabinet	1331.2 V
Nominal Voltage Module	166.4 V
Operating Voltage Cabinet	1040 V ... 1500 V ¹
Nominal Energy Cabinet	417,99 kWh ^{1, 2, 3}
Nominal Energy Module	52,2 kWh ^{2, 3}
Nominal SOC at delivery	27 % ³
Nominal Charge/Discharge Rate	0,5 P / 0,5 P

¹ 8 modules

² 0,5 P / 0,5 P

³ 25°C +/- 2,0

⁴ ambient temperature

MECHANICAL

Dimensions (L x W x H)	1350 x 1300 x 2350 mm
Weight Cabinet	≤ 3700 kg ¹
Weight Battery Module	≤340±10 kg
Protection Level	IP 55
Corrosion rating	C5M

TEMPERATURE RANGE

Operating	-30 °C ... 55 °C ⁴ (>40°C reduction)
Storing (recommended)	-20 °C ... 35 °C ⁴

SAFTY MEASURES

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

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