

Fusio 5.015MWh



Liquid-Cooling Battery Energy Storage System 20ft Container



Liquid-cooled battery storage system based on prismatic LFP ESS cells 314 Ah with the highest cyclic lifetime

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

- Product Compliance:
IEC 62619, IEC 62477, IEC 63056, IEC 61000, UL 1973, UL 9540A, UN 38.3
- Company Certifications:
ISO 9001, ISO 14001, ISO 27001
- Environmental Compliance:
RoHS, REACH



High Safety

- Liquid cooling for high thermal stability
- Multi-stage fire protection, NFPA 855 compliant
- LFP cells with high cyclic lifetime
- Dedicated cell monitoring and protection system



Low LCOS (Levelized Cost of Storage)

- Excellent thermal management improves energy throughput by ensuring optimal operating temperature
- Highly integrated: including thermal management system, fire protection system, BMS, etc.



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System Specification

Model Type		Fusio 5.015 MWh
General Specifications		
Battery Type		LFP314-2P52S
No. of Battery Modules		48 (6 x 8)
Configuration		12P416S
Cooling Method		Liquid Cooling
BMS Communication		CAN, RS485, Ethernet
Gravimetric		> 111 Wh/kg
Volumetric		> 117 Wh/l
Application Altitude		≤ 4,000 m
Electrical		
Nominal Voltage Container		1,331.2 V
Operating Voltage Container		1,123.2 ~ 1,497.6 V
Nominal Energy Container		5,015.96 kWh ^{*1*2}
Nominal Charge/Discharge Rate		0.5 P / 0.5 P
Round Trip Efficiency		> 94 %
Mechanical		
Dimensions (L x W x H)		6,058 x 2,438 x 2,896 mm
Weight Container (20 ft.)		< 45,000 kg
Protection Level		IP55
Temperature Range		
Operating		-30 °C ~ 55 °C ^{*3}
Storing (recommended)		-20 °C ~ 35 °C ^{*3}
Compliance Standards	IEC 62619, IEC 62477, IEC 63056, IEC 61000, UL 1973, UL 9540A, NFPA 855, UN 38.3 RoHS, REACH, Cobalt free	

Note.
*1. 0.5 P / 0.5 P
*2. 25°C +/- 2.0
*3. ambient temperature

Exploded Diagram

