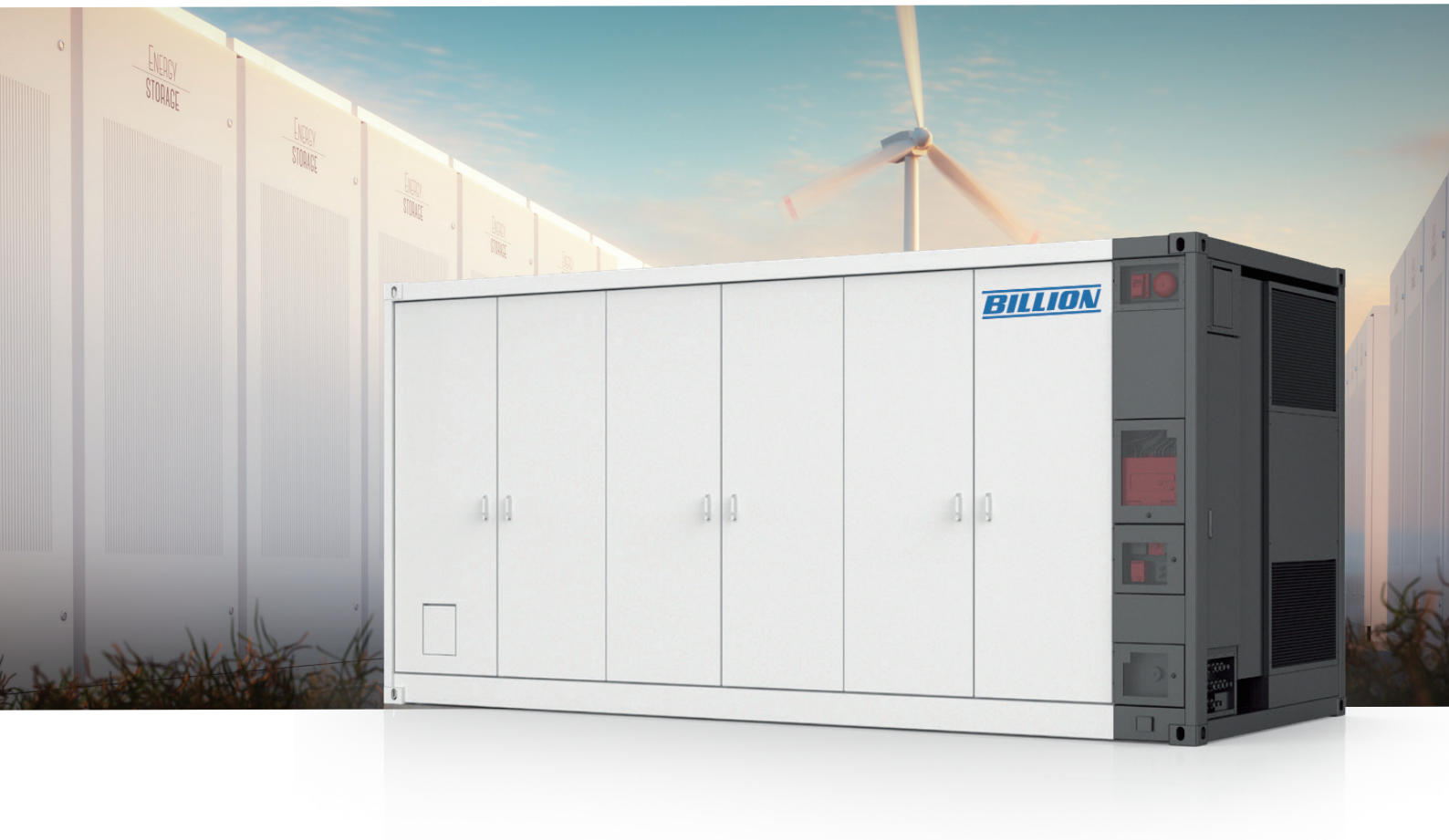
Fusio 5.015MWh

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.
- Supports back to back and side by side installations

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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