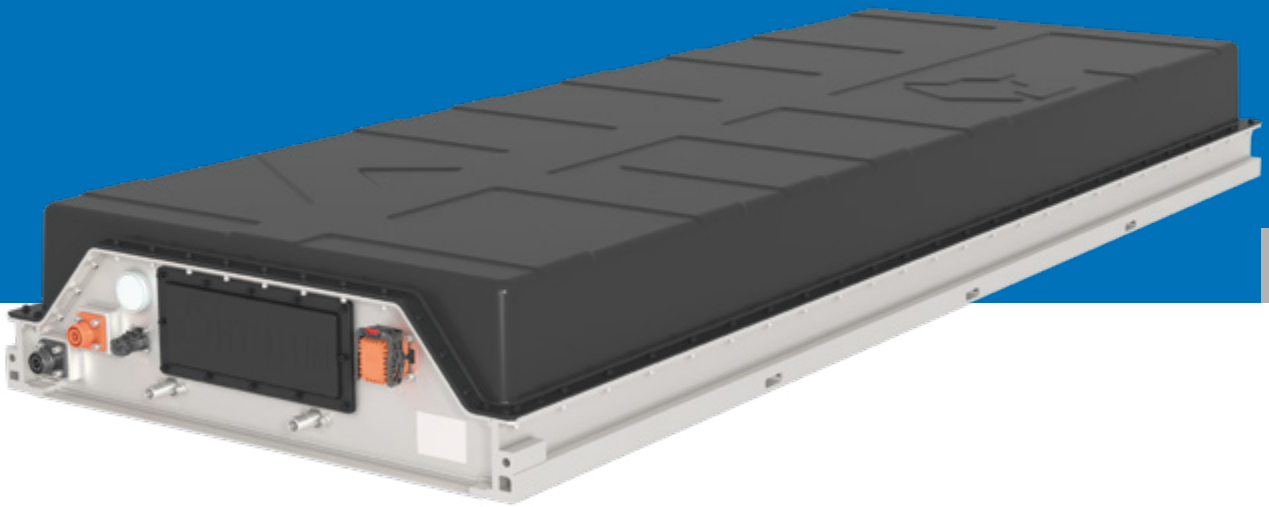
BESS **Module** 104 kWh

Liquid-cooled BESS dual channel compact module based on prismatic LFP cells



Preliminary

Liquid-cooled BESS module based on HiTHIUM prismatic LFP BESS Cell 314 Ah with very high cyclic lifetime.

Specially optimised for use in stationary battery storage systems with the highest requirements on safety, reliability and performance. Suitable e.g. for C&I, utility applications.

- Product certifications:
  IEC 62619 (cell level), UL 1973, UL 9540A, UN 38.3
- Company certifications:
  ISO 9001, ISO 14001, ISO 45001
- Environmental Compliance:
  ROHS, REACH

High safety

- Based on HiTHIUM BESS 314 Ah prismatic LFP cell with high thermal stability
- High thermal stability thanks to liquid cooling

Low LCOS (Levelised Cost of Storage)

- Very long cycle life thanks to advanced material and process technologies
- Excellent thermal management improves energy throughput by ensuring optimal operating temperature
- Dual Channel Compact Module Technology (DCCM)

BESS **Module** 104 kWh

Liquid-cooled BESS module based on prismatic LFP cells with high cyclic lifetime

GENERAL	
Cell Type	HiTHIUM LFP71173207
Cell Capacity	314 Ah [1, 2]
Battery Configuration	2P52S (DCCM Technology)
Cooling Method	Liquid Cooling
Coolant	50 % Water / 50 % Glycol
Gravimetric	> 153 Wh/kg
Volumetric	> 244 Wh/l
Type	LFP314-2P52S
Application Altitude	≤ 4,000 m

ELECTRICAL	
Nominal Voltage	166.4 V
Operating Voltage	T > 0 °C 130 … 189.8 V
	T ≤ 0 °C 104 … 189.8 V
Nominal Energy	104.5 kWh [1, 2]
Nominal SOC at delivery	27 % [2]
Nom. Charge / Discharge Rate	0.5 P / 0.5 P [2]

MECHANICAL	
Dimensions (L x W x H)	800 x 2,200 x 243 mm
Weight	680 kg
Protection Level	IP 67

TEMPERATURE RANGE	
Operating	-30 °C … 55 °C [3]
Storing (recommended)	-20 °C … 35 °C [3]

PRODUCT CERTIFICATIONS	
Certificates and Reports	IEC 62619 (cell level), UL 1973, UL 9540A, UN 38.3

ENVIRONMENTAL	
Compliance	ROHS, REACH
	Cobalt free

COMPANY CERTIFICATIONS
ISO 9001, ISO 14001, ISO 45001

[1] *0.5 P / 0.5 P*
[2] *25 °C +/- 2.0*
[3] *ambient temperature*

HiTHIUM Energy Storage Technology USA Inc.
Address: 4046 Clipper Ct, Fremont, CA 94538, United States
Email: hithium@hithium.com

Xiamen HiTHIUM Energy Storage Technology Co., Ltd.
Address: HiTHIUM Industrial Park, Tongxiang High-Tech Zone, Xiamen, Fujian, China | Email: hithium@hithium.com

LinkedIn Website

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