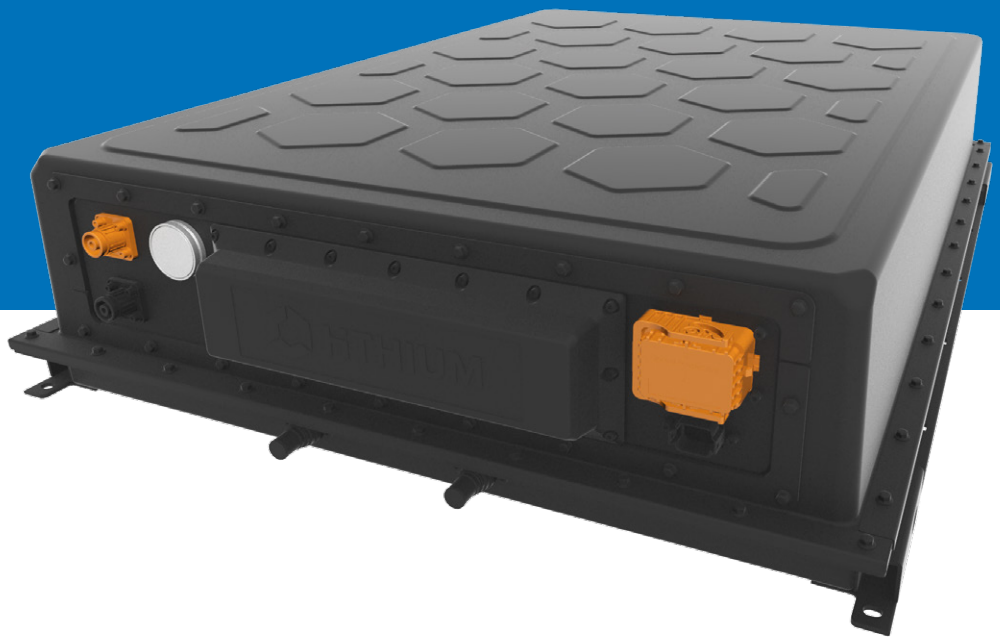
ESS **Module** 43 kWh

Liquid-cooled ESS module based on prismatic LFP cells



Liquid-cooled ESS module based on Hithium prismatic LFP ESS Cell 280 Ah with high cyclic lifetime.

Specially optimised for use in stationary battery storage systems with the highest demands on safety, reliability and performance. Suitable e.g. for industrial, utility, and grid serving 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

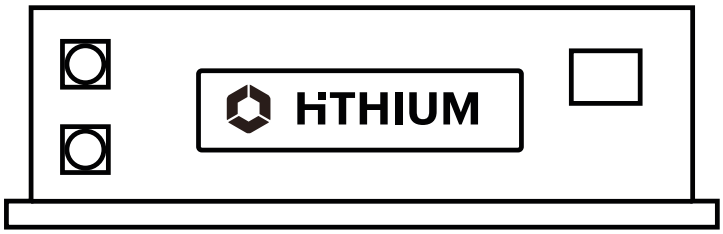
- Based on Hithium ESS 280 Ah prismatic LFP cell with high thermal stability
- Ultra-wide operating temperature range

Low LCOS (Levelised Cost of Storage)

- Long cycle life thanks to advanced material and process technologies
- Excellent thermal management improves energy throughput by creating an optimal operating temperature

ESS **Module** 43 kWh

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



GENERAL	
Cell Type	Hithium LFP71173207
Cell Capacity	280 Ah [1, 2]
Battery Configuration	1P48S
Cooling Method	Liquid Cooling
Coolant Volume	1,2 l
Coolant	50 % Water / 50 % Glycol
Gravimetric	> 138 Wh/kg
Volumetric	> 195 Wh/l
Type	LFP2801P48S
Application Altitude	≤ 3.000 m

ELECTRICAL	
Nominal Voltage	153,6 V
Operating Voltage	T > 0 °C 120 … 175,2 V
	T ≤ 0 °C 96 … 175,2 V
Nominal Energy	43,008 kWh [1, 2]
Nominal SOC at delivery	27 % [2]
Nom. Charge / Discharge Rate	0,5 P / 0,5 P [2]
Max. Charge / Discharge Rate	1 P / 1 P [2]

MECHANICAL	
Dimensions (L x W x H)	820 x 1.092 x 245 mm
Weight	310 kg
Protection Level	IP 67

TEMPERATURE RANGE	
Operating	-30 °C … 50 °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 Deutschland GmbH
Website: https://hithium.com | Email: Contact@hithium.de
Address: Landsberger Str. 155, 80687 Munich, Germany

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

HiTHIUM_Data-Sheet_ESS-Module43kWh_V1-1_EU_EN_230609

LinkedIn Website