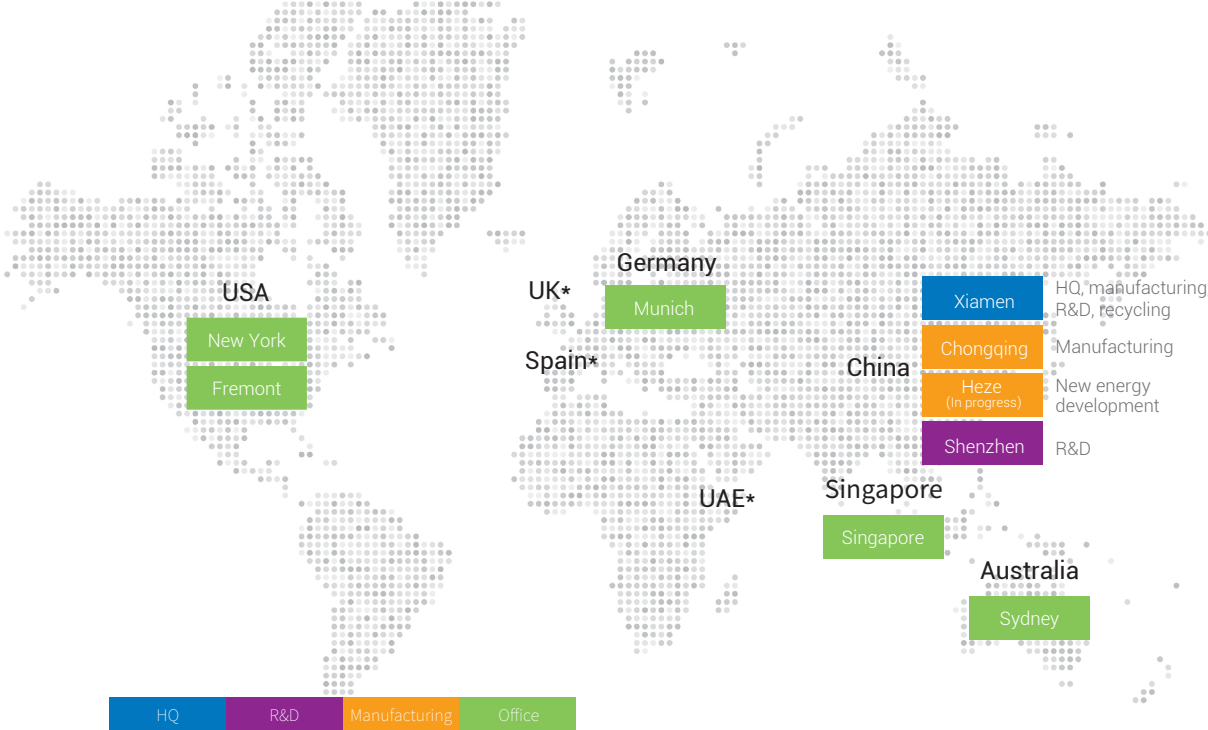




Expert in Battery Energy Storage Solution



Global Presence



*Plan locations

ESG

Compliance
Compliant management & High-quality development

Supply Chain
Fair and impartial & Cooperation

Community
Give back to community

Green Operation
Technical innovation & Recycling

2023/5

China Carbon Neutrality Forum
President Jason Wang was invited to deliver a keynote speech

2023/12

SA 8000
Social Accountability 8000 International Standard Certificate

2024/1

Zero Carbon Leading Company
《Energy Magazine》 ESG Zero Carbon Leadership Award

2024/4

ISO 14064
Xiamen base 2023 Greenhouse Gas Emissions Accounting Report

2024/6

TOP 10 Model Responsibility Contribution
TOP 10 Model Environmental Contribution
The 2024 Green Sustainable ESG Case Release Selection

2023/8

UNGC
HiTHIUM became signatory of UNGC

2023/12

ISO 27001
Information Security Management System Certificate

2024/3

ISO 50001
Energy Management Systems certification

2024/4

ISO 14067
Product Carbon Footprint Verification of 280Ah lithium iron phosphate battery cell

R&D and manufacturing

HiTHIUM produce energy storage batteries with high safety, high efficiency, long cycle life and minimized cost. Our game-changing innovations contribute to technologically advanced solutions that benefit business and society.

● Four Research Institutes



Battery Research Institute

Leading battery chemistry and cell product



Control Technology Research Institute

Control technology strategy realization



Institute of Advanced Technology

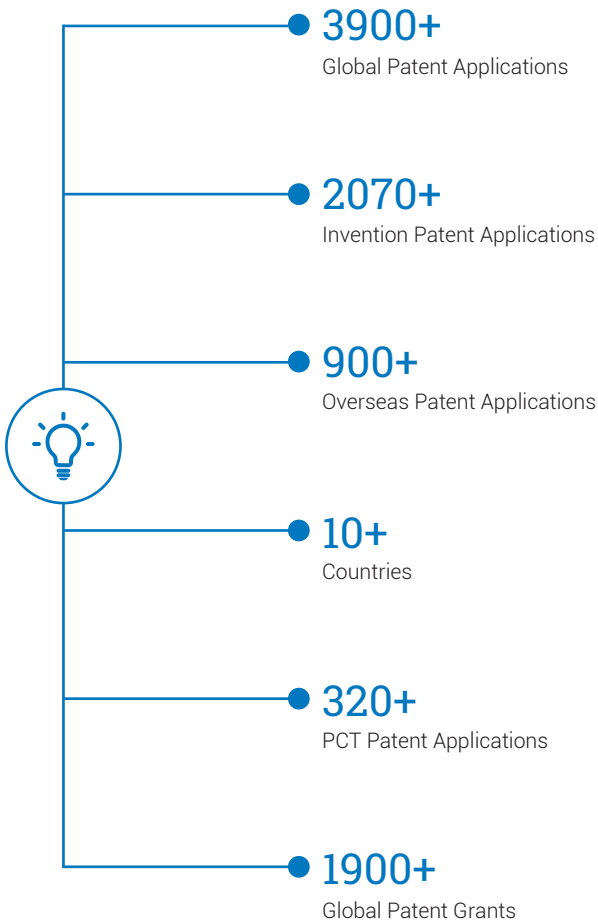
Industrialization of advanced materials



Engineering Center

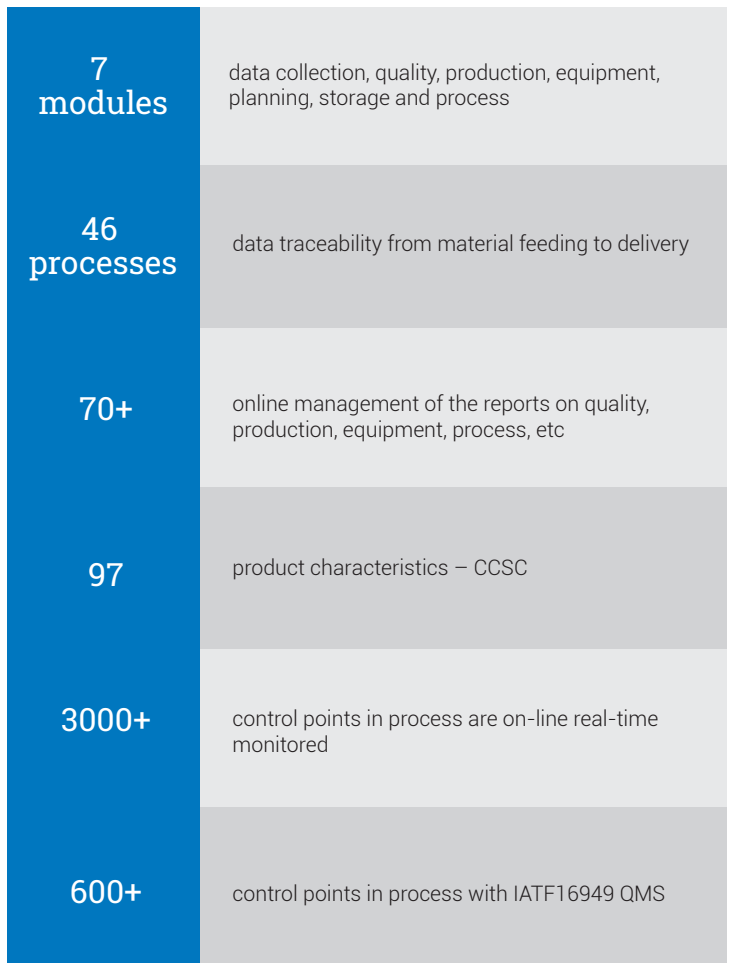
Focus on advanced manufacturing capabilities

● Intellectual Property Portfolio



Till Dec 2024

● Intelligent Manufacturing



"Industries" Full-stack C&I Energy Storage Service



Product	HCL 125kW-261kWh-400-A02
Series-parallel Mode	1P260S (314Ah cell)
Rated charge/discharge	0.5 P / 0.5 P
Rated DC Voltage	832 V
Rated Energy	261 kWh
Dimension (L*W*H)	1000*1350*2380 (mm)
Weight	≤ 2.7 t
PCS	125 kW (adjustable)
Rated AC Voltage	400 Vac, 3W+N+PE

HeroEE Residential Energy Solution



Product	HeroEE 1	HeroEE 2
Rated Power	200 W	1000 W
Rated Capacity	1004.8 kWh	2009.6 kWh
AC Input Voltage	200-240 [VAC]	200-240 [VAC]
PV Input Voltage	12-36 [VDC]	12-50 [VDC]
Cell Lifespan	11000 cls	11000 cls
Dimension (L*W*H)	210*130*285 (mm)	360*285*430 (mm)
Weight	8.26kg	18.3kg

Energy Storage Battery Cell



Battery cell	COCell 1175Ah	COCell 587Ah	COCell N162Ah
Operating Voltage	2.5-3.65 V (T > 0°C) 2.0-3.65V (T ≤ 0°C)	2.5-3.65 V (T > 0°C) 2.0-3.65 V (T ≤ 0°C)	2.0 V - 3.3 V
Charge & Discharge Rate	0.25 P / 0.25 P	0.5P / 0.5P	1 P / 1 P
Energy Density	≥ 180 Wh/kg	≥ 185 Wh/kg	≥ 94.22 Wh/kg
Operating Temperature	-30 °C ~ 60 °C	-30 °C ~ 60 °C	-40 °C ~ 60 °C
Dimension (L*W*H)	580 *75*216 (mm)	286*73.50*218 (mm)	174.70*71.70*207.11 (mm)
Cycle Life	11000 cls (25°C, 100%DOD, 0.25P, @70%SOH)	12000 cls (25°C, 100%DOD, 0.5P, @65%SOH)	20000 cls (25°C, 100%DOD, 1P, @70%SOH)



Battery cell	280Ah	280Ah-1P	314Ah
Operating Voltage	2.5-3.65 V (T > 0°C) 2.0-3.65 V (T ≤ 0°C)		
Charge & Discharge Rate	0.5 P / 0.5 P	1 P / 1 P	0.5 P / 0.5 P
Energy Density	≥ 159.2 Wh/kg	≥ 159.2 Wh/kg	≥ 173.2 Wh/kg
Operating Temperature	-30 °C ~ 60 °C	-30 °C ~ 60 °C	-30 °C ~ 60 °C
Dimension (L*W*H)	174.70*71.65*207.11 (mm)	174.70*71.65*207.11 (mm)	174.70*71.70*207.11 (mm)
Cycle Life	12000 cls (25°C, 100%DOD, 0.5P, @65%SOH)	7000 cls (25°C, 100%DOD, 1P, @70%SOH)	13000 cls (25°C, 100%DOD, 0.5P, @65%SOH)

Battery cell

50Ah

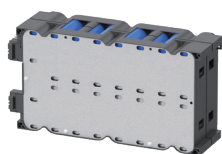


Operating Voltage	2.5-3.65 V (T > 0°C) 2.0-3.65 V (T ≤ 0°C)	Operating Temperature	-30 °C ~ 60 °C
Charge & Discharge Rate	1 C / 1 C	Dimension (D*H)	φ64*151 (mm)
Energy Density	≥ 150 Wh/kg	Cycle Life (25°C, 100%DOD, 1C, @70%SOH)	8000 cls

Energy Battery Module



Battery Module	43kWh	104kWh	104kWh
Series-parallel Mode	1P48S	2P52S	1P104S
Charge/Discharge Rate	0.5 P / 0.5 P	0.5 P / 0.5 P	0.5 P / 0.5 P
Rated Voltage	153.6 V	166.4 V	332.8 V
Rated Energy	43.008 kWh	104.5 kWh	104.5 kWh
IP Degree	IP67	IP67	IP67
Dimension (L*W*H)	820*1092*245 (mm)	800*2184*243 (mm)	786*2190*245.2 (mm)
Weight	310 +/- 10 kg	667 +/- 10 kg	650 +/- 10 kg



Battery Module	2.56kWh	5.12kWh
Series-parallel Mode	1P16S	1P32S
Charge/Discharge Rate	0.5 C / 0.5 C	0.5 C / 0.5 C
Rated Voltage	51.2 V	102.4 V
Rated Energy	2.56 kWh	5.12 kWh
Dimension (L*W*H)	575*158*180 (mm)	591*308*175 (mm)
Weight	≤ 20 kg	≤ 35 kg

Liquid-Cooling Energy Storage System



Energy Storage System	3.44MWh	5.016MWh	∞Power 6.25MWh 4h 2h
Series-parallel Mode	10P384S	6*2P416S	4P416S 8P416S
Charge/Discharge Rate	0.5 P / 0.5 P	0.5P / 0.5P	0.25P / 0.25P 0.5P / 0.5P
Rated Voltage	1228.8 V	1331.2 V	1331.2 V
Rated Energy	3.44 MWh	5.016 MWh	6.25 MWh
IP Degree	IP55	IP55	IP55
Dimension (L*W*H)	6058*2438*2896 (mm)	6058*2438*2896 (mm)	6058*2438*2896 (mm)
Weight	≤ 34 t	≤ 40 t	≤ 48 t

Proven in Projects



ESS on Power Generation

Location: Bulgaria

Capacity: 25MW/55MWh



ESS on Power Generation

Location: Inner Mongolia, China

Capacity: 78MW/156MWh



ESS on Power Transmission and Distribution

Location: Ningxia, China

Capacity: 200MW/400MWh



ESS on Power Transmission and Distribution

Location: Meizhou, China

Capacity: 70MW/140MWh



ESS on Power Transmission and Distribution

Location: Yanzhou, China

Capacity: 200MW/400MWh



ESS on Power Transmission and Distribution

Location: Tongliang, China

Capacity: 100MW/200MWh



ESS on Power Consumption

Location: Zhejiang, China

Capacity: 10MW/20MWh



ESS on Power Consumption

Location: Chongqing, China

Capacity: 400kW/1720kWh



ESS on Power Consumption

Location: Shandong, China

Capacity: 224kW/860kWh



ESS on Power Consumption

Location: Tongliang, China

Capacity: 2.04MW/3.65MWh



Founded in 2019, HiTHIUM is a leading manufacturer of premium stationary energy storage products for utility-scale, commercial, industrial and residential applications. With four distinct R&D centers and multiple "intelligent" production facilities, HiTHIUM's innovations include ground-breaking safety improvements to its lithium-ion batteries as well as increases in lifecycle. With decades of cumulative experience in the field among its founders and senior executives, HiTHIUM leverages its specialization in BESS to deliver partners and customers unique advances in energy storage.

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Website



LinkedIn

Version: 202412V1.0

The product data here are for reference only