



Let Green Energy Benefit All HiTHIUM

What we do

Founded in 2019, HiTHIUM is a leading global company in new energy technology, committed to delivering all-round energy storage solutions centered on advanced energy storage battery and system technologies. HiTHIUM has cultivated robust research, production, sales, and service capabilities in global markets.

As the only pure-play energy storage company to achieve GWh-scale global shipments of lithium-ion ESS batteries, HiTHIUM's customer-centric focus drives technological and innovative products and solutions for customers across more than 40 countries and regions.



Ecology



Productivity



Life

Let green energy benefit all, equally.

Every day, our energy storage products and solutions are powering the world.

We are accelerating the transition to clean energy and leveraging our expertise to ensure access to affordable, reliable, sustainable and modern energy for all, while making the journey toward net-zero society. Together.

■ A team with values of freedom, innovation, share and love



What we achieved

BNEF Tier 1

Energy Storage
Manufacturer²

Top 2

2025 Energy Storage
Batteries Shipment¹

A Grade

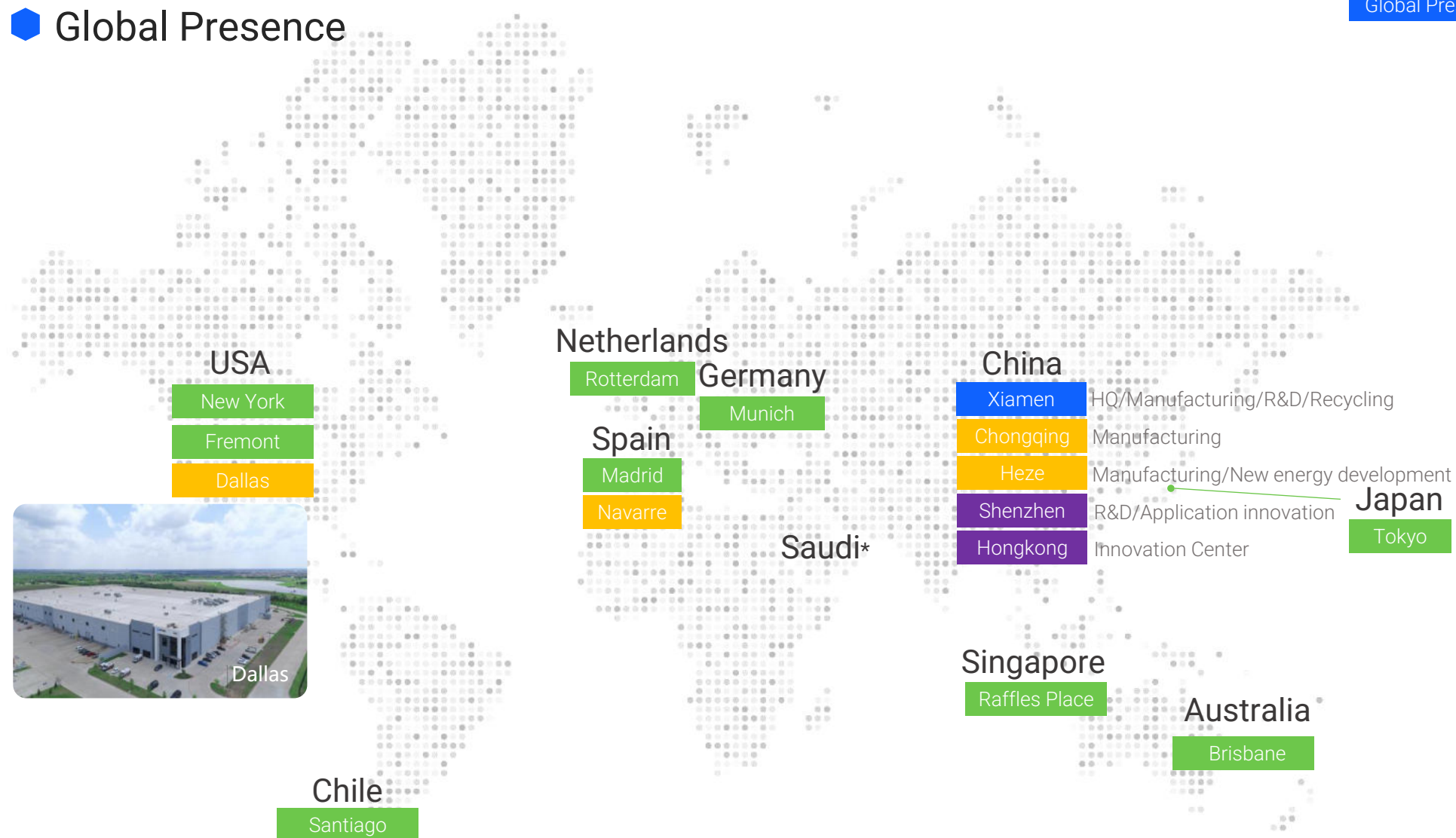
Battery StorageTech
Bankability Ratings³

¹ Resource: InfoLink Consulting, GGII, SMM, ICCSINO

² Resource: BNEF Energy Storage Tier1 List 2Q 2025

³ Resource: PV Tech Research Report in Q1 2026

Global Presence



*Plan locations

Warranty and after-sales capability

Localized Support

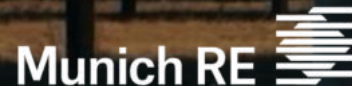
- In China, the Americas, Europe and other emerging markets, we have established localized technical service networks to provide customers with high-quality technical services.
- Accompanied with warehouses and end-of-life battery recycling services in each region

Timely Support

- Response time → 0.5~48 hours
- Issue resolving → 3~7 days
- Arrival time → 24~72 hours

Expert Support

- Training technical professionals with state-of-the-art training facilities where we prepare our technicians for the field



High level of warranty against performance degradation and risk of defect, with coverage for up to **15 years**.

Relentless innovators

Research and development have an extremely high priority at HiTHIUM, because they are the basis for the competitiveness of our products. For this reason, we invest heavily in research and development. HiTHIUM has a fast growing R&D team with more than 1000 engineers work in four company-owned research institutes

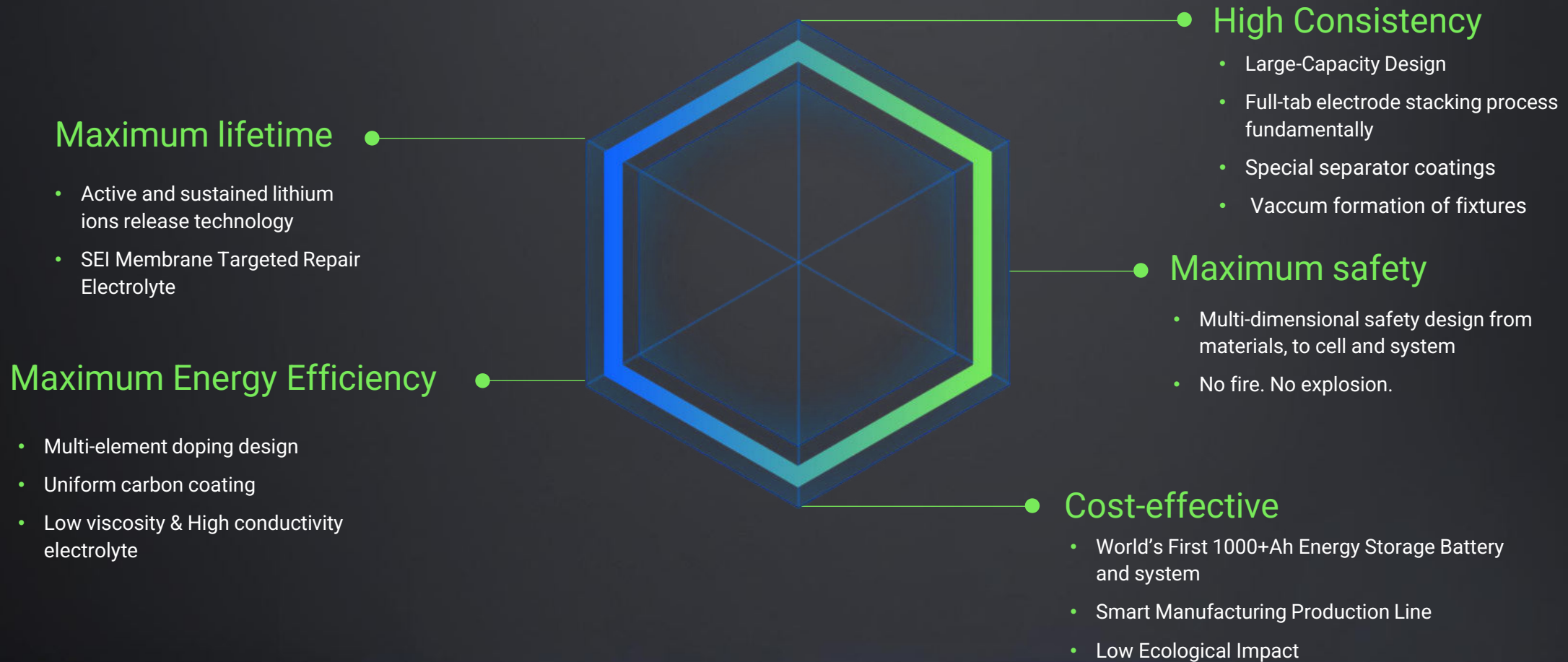
- Battery Research Institute
- System Research Institute
- AI Research Institute
- Engineering Research Institute

4300+

Intellectual property filed

Till June, 2025

■ Innovations creating value



Product Overview

Cell



Prismatic cell	314Ah	280Ah 1P
Operating voltage	2.5-3.65V	
Charge & discharge rate	0.5P/0.5P	1P/1P
Energy density	≥ 173.2Wh/kg	≥ 159.2Wh/kg
Operating temperature	-30℃ ~60℃	
Dimension (L x W x H)	174.7*71.7*207.1(mm)	174.7*71.6*207.1(mm)
Cycle life	11,000cls	7,000cls

*The above are for reference only, the specifications sheets shall prevail

Product Overview

Cell for long-duration energy storage



Prismatic cell	ooCell 587Ah
Operating voltage	2.5-3.65V
Charge & discharge rate	0.5P/0.5P
Energy density	≥ 185Wh/kg
Operating temperature	-30℃ ~60℃
Dimension (L x W x H)	286.0*73.5*216.3(mm)
Cycle life	11,000cls

*实际以规格书为准

Product Overview

Cell

for long-duration
energy storage



Prismatic cell	∞Cell 1175Ah
Operating voltage	2.5-3.65V
Charge & discharge rate	0.25P/0.25P
Energy density	≥ 180Wh/kg
Operating temperature	-30℃ ~60℃
Dimension (L x W x H)	580.2*75.2*216.3(mm)
Cycle life	11,000cls

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Product Overview

Cell
for 8h energy storage

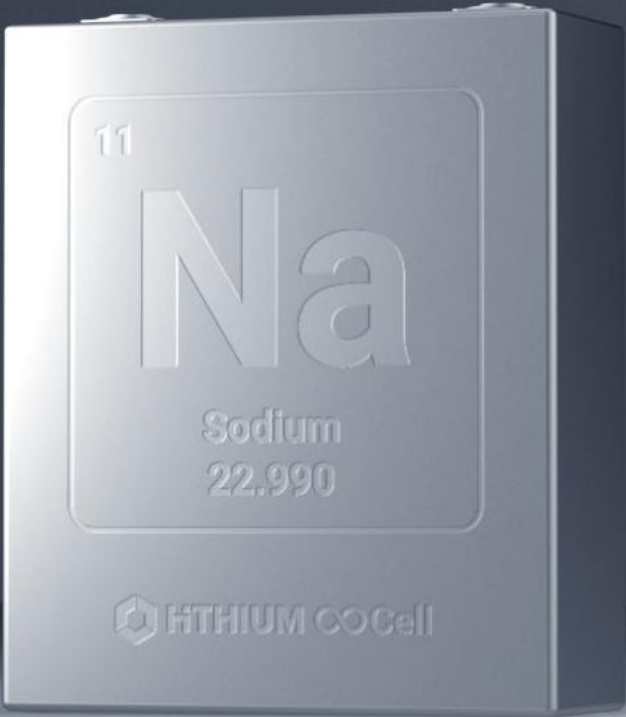


Prismatic cell	∞Cell 1300Ah
Operating voltage	2.5-3.65V
Charge & discharge rate	0.167P/0.167P
Energy density	≥ 190Wh/kg
Operating temperature	-30℃ ~60℃
Dimension (L x W x H)	581.1 *75.2*234.3mm
Cycle life	10,000cls

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Product Overview

Sodium-ion
Cell



Prismatic cell	∞Cell N162Ah
Operating voltage	1.5-3.3V
Charge & discharge rate	1P/1P
Energy density	≥ 96Wh/kg
Operating temperature	-40℃ ~60℃
Dimension (L x W x H)	174.7 *71.7*207.1(mm)
Cycle life	20,000cls

*The above are for reference only, the specifications sheets shall prevail

Product Overview

Modules



Battery Module	52kWh	104kWh	∞Pack 195kWh 2h 4h
Series-parallel mode	1P52S	2P52S	1P104S 1P52S
Charge & discharge rate	0.5P/0.5P	0.5P/0.5P	0.5P/0.5P 0.25P/0.25P
Rated voltage	166.4V	166.4V	332.8V 166.4V
Rated energy	52kWh	104 kWh	195 kWh
IP degree	IP67		IP67
Dimension (W*D*H)	820*1154*244(mm)	800*2184*243 (mm)	1248*2230*255 (mm) 1248*2240*255 (mm)
Weight	340kg	667 kg	1160kg 1150kg

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 Product Overview

HiTHIUM ∞Power

Energy Storage System



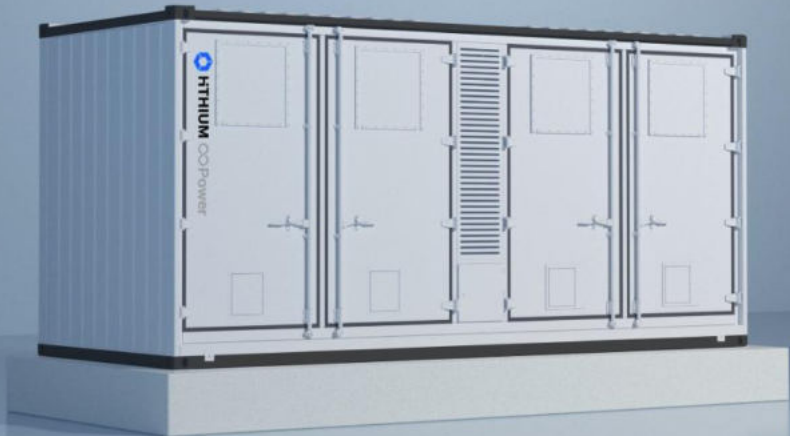
Product	5.016 MWh	∞Power 6.25 MWh 2h 4h	∞Power Flexsso 3.125MWh/6.25MWh 4h
Configuration	6*2P416S	8P416S 4P416S	2*1P416S/4*1P416S
Charge & discharge rate	0.5P/0.5P	0.5P/0.5P 0.25P/0.25P	0.25P/0.25P
Rated voltage	1331.2V	1331.2V	1331.2V
Rated energy	5.016MWh	6.25MWh	3.125MWh/6.25MWh
IP degree	IP55		
Dimension (L x W x H)	6058*2438*2896 mm	6058*2438*2896 mm	3399*2438*2896mm 6390*2438*2896mm
Weight	≤40 t	≤48 t	26t/25+26t

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 Product Overview

HiTHIUM ∞Power

Energy Storage System



Product	∞Power 6.9MWh 8h	∞Power N2.28MWh 1h
Configuration	1P416S	12P416S
Charge & discharge rate	0.125P/0.125P	1P/1P
Rated voltage	1331.2V	624 V ~ 1372.8 V
Rated energy	6.922MWh	2.28MWh
IP degree	IP66	IP55
Dimension (L x W x H)	6058*2438*2896mm	6220*2590*3000mm

Weight	< 50t	< 38t
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*The above are for reference only, the specifications sheets shall prevail

Product Overview

HeroEE
Energy Solution



One PV module



One battery energy storage system



One intelligent networking platform



	HeroEE LIGHT	HeroEE 2	EPA-5K8-LP1GL	HeroEE 16 Battery	
Rated power	500W	1000W	5000W	Battery capacity	16kWh
Rated capacity	1004.8Wh	2009.6Wh	8038.4Wh	Rated Voltage[	51.2 [VDC]
AC input (Grid)	200-240 [VAC]	200-240 [VAC]	90-280[VAC]	Charge/Discharge Voltage Range	43.2-56.8 [VDC]
DC input (Solar)	12-50 [VDC]	12-50 [VDC]	60-450[VDC]	Maximum charge/discharge current	200A/200A
Cell cycle life	11,000 cls	11,000 cls	11,000cls	Cell cycle life	11,000 cls
Dimension (L*W*H)	235*142*315mm	360*285*430mm	500*230*758(mm)	Dimension (L*W*H)	540.6*240*781.2mm
Weight	9.3kg	18.3kg	58kg	Weight	110kg

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Product Overview

C&I All-in-one Energy Storage System



	∞Block 125kW/261kWh	∞Block 418kWh	∞Power 1022kWh
Series-parallel mode	1P260S (314Ah cell)	1P416S (314Ah cell)	1P272S (1175Ah cell)
No. of battery Modules	5	8	8
Rated charge/disch arge	0.5P/0.5P	0.5P/0.5P	0.25P / 0.25P
Rated DC Voltage	832V	1331.2V	870.4 V
Rated Energy	261 kWh	417.99 kWh	1022.72 kWh
Dimension (WxDxH)	1000*1350*2380 mm	1300*1350*2350 mm	Battery Cabinet: 1750*1950*2400 mm PCS Cabinet: 450*1300*2400 mm
Weight	≤2.7t	≤3.7t	Battery Cabinet: ≤8.1 t PCS Cabinet: Approx. 0.4 t
Protection Level		IP55	
PCS	125kW / 400Vac	/	250kW / 400Vac (Optional)

Quality Assurance

The HiTHIUM Test Verification Center has been certified by TÜV Rheinland and CNAS

MATERIAL VERIFICATION 100% in house



- Coin-cell testing lab
- ICP lab (Inductively Coupled Plasma)
- SEM lab (Scanning Electrode Microscopy)
- Electrolyte lab
- Anode and cathode materials R&D lab
- Advanced technology lab
- EVC lab

PERFORMANCE TEST 26000+ testing channels



- Covering R&D on energy storage pouch, prismatic, and cylindrical cell as well as module, and DC-system.
- Meet testing requirements of capacity, lithium analysis, H/L, OCV, HPPC, DCR, rate performance, long-term cycling and aging.

SAFETY AND RELIABILITY TEST from cell to battery system



- Support 24+ safety and reliability tests such as thermal runaway, nail impact and drop test.

BESS on power generation

HiTHIUM's BESS products enable the power generation to restore a stable power grid, optimize the power output, reduce solar and wind curtailment, increase the proportion of renewable energy in total power generation, and optimize the energy structure



[Razlo, Bulgaria](#) 25MW / 55MWh

The project is Hithium's first project in East Europe, designed for PV plant. It is a perfect track record to demonstrate our entry into the East Europe market.



[Ningxia, China](#)
100MW / 200MWh



[Gansu, China](#)
60MW / 120MWh



[Inner Mongolia, China](#)
20MW / 40MWh

BESS on transmission

HiTHIUM's BESS products are applied in power transmission and distribution modulate frequency and peak according to power grid loads. It helps to ensure the safe, stable, efficient and low-cost operation of the power grid



[Texas, USA](#) 300MW / 600MWh

This clean energy storage deployment sets a new benchmark as one of the region's largest energy storage projects.

At Jaguar project, we're deploying HiTHIUM's customized BESS, across Texas to strengthen the grid, powering over 100,000 homes and offsets 34 tons of carbon dioxide annually.



[Colorado, USA](#)
33.7MW/235.5MWh



[Shandong, China](#)
100MW / 200MWh



[Trier, Germany](#)
21MW/ 55MWh

BESS on consumption

HiTHIUM's C&I energy storage solutions have been deployed in multiple countries globally. Leveraging its adaptable product capabilities, it covers diverse overseas energy storage scenarios, empowering global low-carbon development.



Romania

4.695MW/9.39MWh

- 36*125kW/261kWh AIO Cabinets
- Deep integration of PV and storage stabilizes output, boosts green energy usage, and increases revenue via arbitrage & demand management for faster investment payback.
- Equipped with HiTHIUM's proprietary EMS for 24/7 smart monitoring, remote O&M, and multi-layer safety to ensure stable operation.



Germany

8.36MW/16.72MWh



Czech public

5.481MW/10.962MWh



Hungary

1.25MW/2.61MWh

BESS on consumption

HiTHIUM's C&I energy storage meets core corporate demand for green power. Via intelligent demand scheduling, it cuts electricity costs effectively. Its mature solar-storage-charging integration is proven in benchmark projects like the Chongqing Station and SAIC Volkswagen.



Chongqing, China 400kW solar, 2*860kWh ESS, 12*160kW charging station

- An integrated station combining "photovoltaic, energy storage, charging, inspection, and battery.
- Total PV power generation is approximately 6.9 million kWh, equivalent to reducing standard coal consumption by 2,263 tons and reducing CO2 emissions by 6,880 tons.



Taiwan, China
13.5MW/28.188MWh



Ningbo, China
45MW/90MWh



Zhejiang, China
1.25MW/2.61MWh

Global ESG commitment

Let Green Energy Benefit All &
Help Strivers Realize Their Dreams

Deliver the highest batteries sustainably, while practicing our values

E

- Reduce Absolute Scope 1&2 GHG Emission 58.80% in 10 Years
- Reduce Scope 3 GHG Emission 63.80% Per kWh of Battery Capacity in 10 Years

S

- Reliable Quality to Set Industry Benchmarks
- Compliant, Resilient and Sustainable Supply Chain Management
- Equitable, Diverse and Inclusive Workplace

G

- Zero Tolerance for Bribery
- Compliant Corporate Operations
- Protect Intellectual Property
- Uphold Information Security Bottom Line

HiTHIUM

HiTHIUM is committed to building the world's top brand of energy storage, promoting green development in various industries, and fully demonstrating the company's positive influence in environmental, social, and governance aspects.

Innovative

- Opportunities in Clean Tech
- Product Carbon Footprint
- Environmental Management and Resource Optimization
- Addressing Climate Change



Empower

- Employee Training and Development
- Occupational Health and Safety



Proactive

- Product Quality and Safety
- Customer Relationship Management
- Product Recycling



Achievable

- Energy Equality
- Community Communication and Charity



Collaborative

- Sustainable Supply Chain Management
- Industry Collaboration and Low-carbon Transformation



Transparent

- Corporate Governance and Business Ethics
- Intellectual Property Rights
- Information Security and Privacy Protection



Digital Intelligence Integration

Value Chain Partnership

Sustainable Talent Development

Global ESG commitment



Dec 2023

SA 8000
Social Accountability
management system
certification

Apr 2024

ISO 14064
GHG Inventory Report for Xiamen
Hithium Energy Storage in 2023
ISO 14067
280Ah LFP cell product carbon
footprint certification

Oct 2024

ISO 56005
Innovation and Intellectual
Property management (Level 1)

Oct 2025

**EcoVadis Gold Medal
for Sustainability**
The Top 5% of Rated
Companies Worldwide

May 2026

S&P CSA
Achieved 54/100 in S&P
Corporate Sustainability
Assessment, and was enlisted
in its 2026 Sustainability
Yearbook (China Version)

Aug 2023

UNGC
Joined United Nations Global
Compact
ISO 27001
Information Security
management system certification

Mar 2024

ISO 50001
Energy
management system
certification

Jun 2024

**Top 10 Exemplary Environment
& Responsibility Contribution**
Green Sustainable ESG Case 2024
TOP100 Role models

Apr 2025

CDP
Climate Questionnaire
achieved B
SBTi
Near-term target validated
(Level 1)

Dec 2025

ISO 37301
ISO 37001
Compliance & Anti-bribery
management system
certification

Together we're powering
the future

