LISINER®

POWER A SMART ENERGY FUTURE WITH LISINER

JIANGXI LISINER TECHNOLOGY CO., LTD.

LISINER

MISSION

Committed to the Sustainable
Development of Clean Energy

VISION

To be a Leading Green Smart
Microgrid Pioneer

VALUE

· Concentration · Innovation
· Sharing · Happiness



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COMPANY PROFILE

Jiangxi Lisiner Technology Co., Ltd. (LISINER) is a leading energy storage equipment manufacturer and operator of smart energy assets. With a strong focus on all-scenario energy solutions, the company has built an integrated ecosystem spanning equipment manufacturing, project development, and energy operation.

Powered by end-to-end, in-house developed hardware and software, LISINER's smart energy solutions are deployed in over 50 cities across Asia, Europe, and Africa. The company has successfully delivered over 6 GWh of projects and maintains 3.5 GWh of assets in active operation. LISINER has been recognized by BloombergNEF as a Tier 1 energy storage manufacturer.

Addressing utility-scale, microgrid, and C&I scenarios, LISINER leverages its digital energy platform and Virtual Power Plant (VPP) integration to empower the global transition toward a smart, sustainable energy future.



CONCENTRATE ON MICRO-GRID
SERVE THE POWER GRID

TIER1

MILESTONES

2017 GEELY HOLDING GROUP established the Components Bussiness Division.

2020 The Components Business Division was spun off and was reorganized into the Yoening Technology Group (YOE).

2021 Subsidiaries like Yoening New Energy, Tianci Mining, and Chengxing Chemical were established.

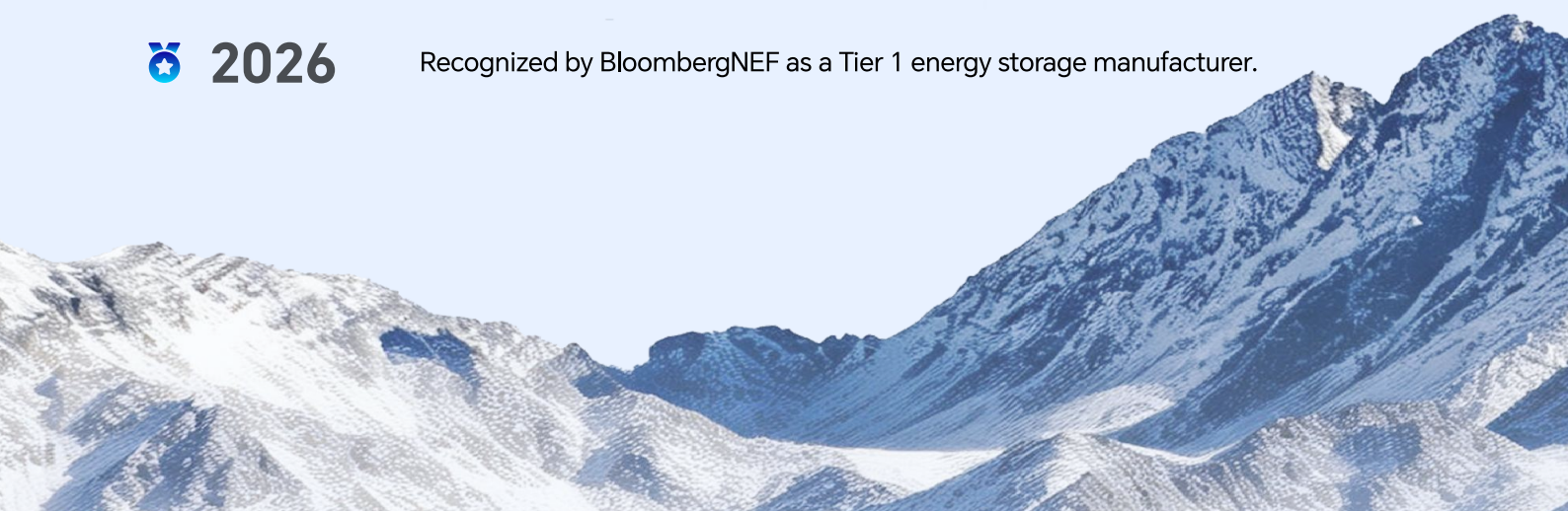
2022 LISINER was officially established under Yoening Technology Group.

2023 Launched fully liquid-cooled distributed ESS.
Established 16GWh manufacturing bases and energy operations & trading center.
Commissioned a 4GWh Production Line.

2024 Annual project scale exceeds 1GWh.

2025 Delivered projects totaling 4GWh+.
New base set up in Jiangsu.
Annual production capacity exceeds 10GWh.

2026 Recognized by BloombergNEF as a Tier 1 energy storage manufacturer.



OVERALL LAYOUTS

6+ GWh

Cumulative Project Scale

3.5+ GWh

Operating Energy Assets

GLOBAL FOOTPRINT

A LEADER IN GREEN & SMART MICROGRIDS

2 R&D CENTERS

- ZHEJIANG PROVINCE
- JIANGXI PROVINCE

Full-stack in-house software and hardware capabilities

3 MANUFACTURING BASES

- JIANGXI PROVINCE
- JIANGSU PROVINCE

Scalable integration enabled by digital manufacturing

50+

CITIES WITH DEPLOYMENTS

Solutions and products have been successfully deployed across multiple countries in **Asia, Europe, and Africa.**

INTELLIGENT MANUFACTURING



With cutting-edge automation and strict quality control across 200+ checkpoints, our production runs 20% faster than the industry average and every system is delivered grid-ready with one-click setup.









160,000+ m²
Automated Production Lines

Annual Capacity >18 GWh





ISO 9001:2015 Certified

PRODUCTS & SERVICES

FULL-STACK IN-HOUSE DEVELOPED TECHNOLOGY



LISINER Utility-scale & C&I ESS

SESCLOUD Digital & AI Energy Platform

LISINER leverages cutting-edge R&D expertise and manufacturing technology (PACK, BMS, EMS, PCS, etc.) to deliver intelligent solutions and energy management services known for their exceptional safety, cost-effectiveness, adaptability across various scenarios, holistic offerings, prolonged durability, and swift return on investment.

LISINER Liquid-Cooling C&I ESS

– JAUNS-R261
– JAUNS-R261DC

Commercial & Industrial · Grid Edge/Island · AIDC · Charging Stations · Buildings · Health Care

More Versatility

- Compatible with hybrid PCS for PV+ESS application
- Scalable from kWh to MWh
- Applicable for ESS, charging, microgrids and more scenarios

High Efficiency

- Lower inverter losses and LCOE
- Simplified architecture reduces potential failure points
- Remote intelligent commissioning with one-click control

Easier Deployment

- Plug & play, pre-commissioned for shortening deployment time
- Intelligent O&M to reduce OPEX
- Compatible with local service for cus-

Safe & Reliable

- Certified to IEC 61000、IEC 62619、IEC 62477
- Fire protection from cell to system for active safety
- Real-time BMS monitors and diverse local safety strategies



R261 CABINET



	Janus-261	Janus-261DC
DC Side		
Nominal Capacity	261.24kWh	
Cell Type	LFP3.2V/314Ah	
Configuration	1P260S	
Charge/discharge Rate	0.5P	
DC Voltage	832V	
Voltage Range	725V~936V	754V~936V
AC Side（On-grid）		
Rated Power	125kW	/
Rated AC Current	180A	
Rated Grid Voltage	400V AC，-15%~+10%	
Rated Grid Frequency	50/60Hz，±5Hz	
Power Factor (PF)	-1 (Lead) ~ +1 (Lag)	
THDi	<3%（of Rated Output Power）	
Connection Type	3-Phase 4-Wire	
System Side		
Dimension (W*D*H)	1007±5x1345±5x2250±5mm	1066±5x1346±5x2400±5mm
Weight	≈2380kg	2215±50kg
Protection (IP) Rating	IP54	
Noisel Level	75±5dB@1m	
Operating Temperature Range	-20℃~55℃（＞45℃ derating）	
Operating Humidity Range	0~95%（No condensation）	
Maximum Operating Altitude	≤2000m	
Thermal Management Method	Intelligent Liquid Cooling	
Fire Suppresion System	① Smoke Detector ② Temperature Detector ③ Pack-level Fire Suppression ④ Cabin-level Fire Protection ⑤ AEROSOL	
Communication Interface	Ethernet, RS485, CAN	
Communication Protocol	Modbus RTU, Modbus, TCP, CAN 2.0B, IEC 61850	
Certificates	GB/T 36276, GB/T 34120, GB/T 34133	IEC 62619, IEC 62477-1, IEC 61000, UN 38.3

LISINER PV&ESS All-in-One Cabinet

– JAUNS-261PV+

Commercial & Industrial · Grid Edge/Island · Charging Stations · Community

More Versatility

- Integrated with PV/ESS/D.G. for comprehensive scenarios
- LV Compatible, seamless on/off-Grid switching
- Compatible with mainstream standardized protocols

Easier Deployment

- Modular & all-in-one design, easy installation
- Plug & play, pre-commissioned for shortening deployment time
- Remote intelligent control with one-click operation

Higher Efficiency

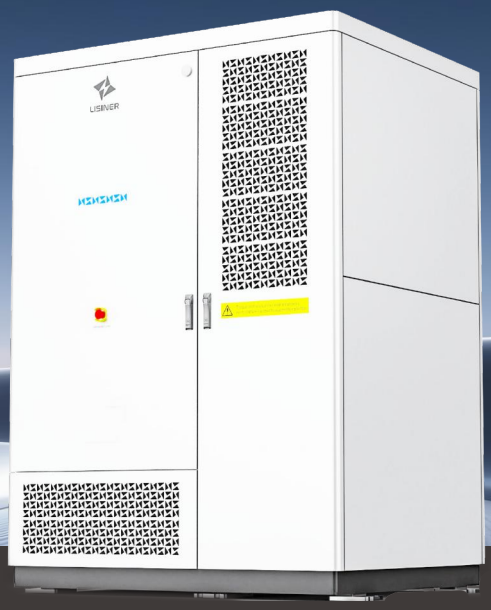
- DC-coupled architecture, cycle efficiency ↑3-5%
- High conversion efficiency for lower LCOE
- Local intelligent control with millisecond response

Safe & Reliable

- Certified to UL 9540A, IEC 62619, IEC 62477-1 standards
- Fire protection from cell to system for active safety
- Full-lifecycle cell monitoring with pre-protection strategies



R261 INTEGRATED PV-ESS



System Side	
Dimension（W*D*H)	1667±5×1320±5×2285±5mm
Weight	3350kg
Protection (IP) Rating	IP54
Noise Level	≤80dB@1m
Operating Temperature Range	-20℃~50℃ (> 45℃ derating)
Operating Humidity Range	0~95% (No condensation)
Maximum Operating Altitude	≤2000m
Thermal Management Method	Intelligent Liquid Cooling
Fire Suppresion System	① Smoke Detector, ② Temperature Detector, ③ Pack-Level Fire Suppression, ④ Cabin-Level Fire Protection, ⑤ Aerosol
Communication Interface	Ethernet, RS485, CAN
Communication Protocol	Modbus RTU, Modbus TCP, CAN2.0B, IEC61850
Certificates	IEC 62619, IEC 62477-1, IEC61000, UL 9540A, UN38.3
RTE	90%
Design Life	≥15 years
Warrenty	5 years

DC Side	
Nominal Capacity	261.24kWh
Cell Type	LFP3.2V/314Ah
Configuration	1P260S
Charge/discharge Rate	0.5P
DC Voltage	832V
Voltage Range	702V~936V
AC Side（On-grid)	
Rated Power	125kW
Maxi. Output Power	137kW
Rated AC Current	166A
Max. AC Current	180A
Rated Grid Voltage	400V AC, -15%~+10%
Rated Grid Frequency	50/60Hz, ±5Hz
Power Factor (PF)	-1 (Lead) ~ +1 (Lag)
THDi	<3% (of Rated Output Power)
Connection Type	3-Phase 4-Wire

MPPT（optional)	
Maximum Input Power	63kW*2
Maximum Input Current	160A
Full Power Voltage Range	573v~1000v
High Voltage Side Start-up Voltage	200v~1000v

STS	
Rated Grid-Side Power	250kW
Rated Grid-Side Current	361A
PCS Power Port	125kW
Load Power	125kW

LISINER Liquid-Cooling Utility ESS

– TRITON-C5016

Generator · Grid · Mobile Energy Storage · Industrial Park · Grid Edge/Island · Data Center

Safe & Reliable

- Certified by multiple international authorities
- Fire protection from cell to system for active safety
- Real-time BMS monitors and diverse local safety strategies

Efficient Performance

- Pack ΔT ≤ 3℃ and system ΔT ≤ 5℃, ensuring high consistency
- Supports side-by-side and back-to-back layouts
- Intelligent liquid cooling reduces system loss

Flexible & Adaptable

- Compatible with centralized/string-type architecture, and coupled PCS systems
- High anti-corrosion grades & IP55 protection
- Compatible with mainstream standardized protocols

Easier Deployment

- Pre-commissioned for shortening deployment time
- Intelligent O&M to reduce OPEX
- Compatible with local service for customization

C5016 CONTAINERIZED BESS



Battery Side	
Nominal Capacity	5015.96kWh
Cell Type	LFP3.2V314Ah
Configuration	1P416S*12
Charge/discharge Rate	0.5P
DC Voltage	1331.2V
Voltage Range	1164.8V~1497.6V
System Side	
Dimension(W×D×H)	6058x2438x2896mm
Weight	≤42t
Protection (IP) Rating	IP55
Corrosion Protection Grade	C4-M (C5-M optional)
Noise Level	≤80dB±5@1m
Operating Temperature Range	-20℃~50℃ （> 45℃ derating）
Operating Humidity Range	0~95%Rh （no condensation）
Maximum Operating Altitude	≤2000m
Thermal Management Method	Intelligent Liquid Cooling
Fire Suppresion System	①Pack-level Detection, ②Container-level Detection, ③Aerosol Fire Suppression, ④Water Sprinkler
Communication Interface	Ethernet
Communication Protocol	IEC61850、CAN 2.0、Modbus-TCP、IEC104
Certificates	IEC 62933-5-2, IEC 62619, IEC 63056, IEC 61000-2/-4, IEC 60730-1, IEC 62477, IEC 60529, UL 9540A, UN 38.3
Warrenty	5 years (10 years optional)

LISINER Liquid-Cooling Utility ESS

– TRITON-6251

Generator · Grid · Mobile Energy Storage · Industrial Park · Grid Edge/Island · Data Center

Extended Lifetime

- PV-ESS lifetime parity — no extra battery replacement needed
- Full active balancing, eliminates the weakest-link effect
- Intelligent THCS with system-level optimization

More Versatiley

- Compatible with centralized/string-type, and coupled PCS systems
- High protection, wide temperature range, extreme-condition ready
- Optimized for 4-hour long-duration energy storage

Higher Efficiency

- 30% Capacity boost, maximized energy density
- 30V cluster voltage tolerance, no circulating current
- Independent cluster isolation and maintenance for higher uptime

Safe & Reliable

- Smart thermal management maintains cabin $\Delta T \leq 3°C$
- Cell-level thermal barrier and DCR testing
- Comprehensive safety design with dual protection & top air outlet

C6251 CONTAINERIZED BESS



Battery Side	
Nominal Capacity	6251.32kWh
Cell Type	LFP3.2V/587Ah
Configuration	1P416S*12
Charge/discharge Rate	0.25P/0.33P/0.5P
DC Voltage	1331.2V
Voltage Range	1164.8V~1497.6V
System Side	
Dimension(W×D×H)	6058x2438x2896mm
Weight	≤48t
Protection (IP) Rating	IP55
Noise Leve	≤80dB@1m
Operating Temperature Range	-30℃~55℃（＞45℃ derating)
Operating Humidity Range	0~95%（no condensation)
Maximum Operating Altitude	<2000m
Thermal Management Method	Intelligent Liquid Cooling
Fire Suppresion System	①Pack-level Detection, ②Container-level Detection, ③PERFLUORO, ④Water Sprinkler
Communication Interface	CAN、RS485
Communication Protocol	IEC 61850, CAN 2.0B, Modbus TCP, IEC 104
Certificates	GB/T 44240-2024
Warrenty	5 years

SESCLOUD PLATFORM



SESCLOUD is an AI-driven platform integrating the "generation-grid-load-storage" ecosystem. By leveraging VPP and power trading, it delivers full-lifecycle management to maximize ROI and build sustainable energy systems.

KEY FEATURES

Panoramic Monitoring

Offering in-depth, multi-tier monitoring of energy storage systems, enabling real-time critical data collection and monitoring for each battery cell. It provides real-time assessment of the operating status of cells, modules, pack and energy storage cabinets, ensuring system transparency and visualization.

Wide Adaptability

Adapting to energy storage systems of different capacities, supporting a range of application scenarios including energy storage, integrated wind-solar-storage-charging systems, and various operational strategies such as peak-valley arbitrage.

Cloud-Edge Collaboration

Facilitating cloud-edge collaboration with intelligent energy management units for effortless self-registration and integrated intelligent configuration, significantly reducing on-site configuration efforts.

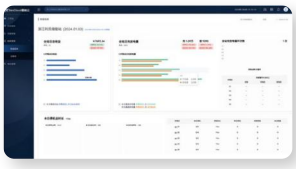
AI-Driven Solution

Incorporating AI and big data analytics to autonomously generate diverse optimization strategies such as energy storage peak-valley arbitrage and wind-solar-storage-charging integration. It conducts thorough analysis and intelligent diagnostics of energy storage system operations and economic benefits.

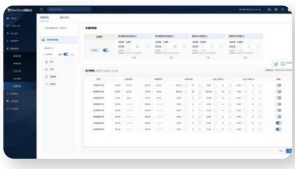
CORE FUNCTIONS



Panoramic Monitoring



Intelligent Strategy Formulation



Advanced Analytics



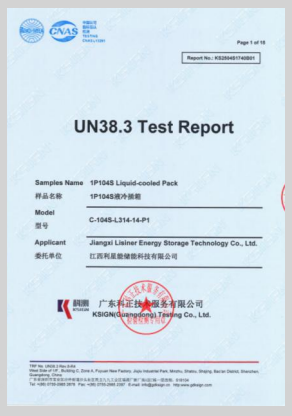
Smart Reporting

SMART ENERGY SOLUTIONS

Certified Compliance:

Fully compliant with rigorous global standards, including CE, UL 9540A, and IEC 62619, etc.


CERTIFICATE
of Conformity
Directive 2014/30/EU
Electromagnetic Compatibility


UN38.3 Test Report

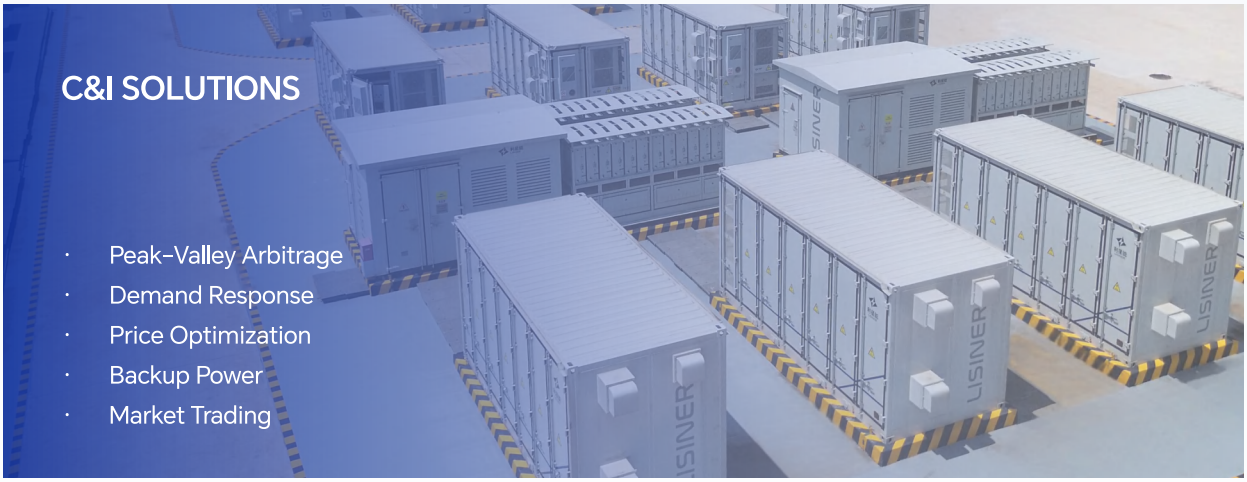
Samples Name 1P104S Liquid-cooled Pack
样品名称 1P104S液冷电芯
Model
型号 C-104S-L314-14-P1
Applicant Jiangsi Lisiner Energy Storage Technology Co., Ltd.
委托单位 江西利星能储能科技有限公司





UTILITY-SCALE SOLUTIONS

- Grid Ancillary Services
- Renewable Energy Firming
- Market Trading
- Virtual Power Plant



C&I SOLUTIONS

- Peak-Valley Arbitrage
- Demand Response
- Price Optimization
- Backup Power
- Market Trading



MICRO-GRID SOLUTIONS

- Multi-Source Coordination
- On-Grid/Off-Grid Support
- Backup Power
- Energy Consumption
- Market Trading
- Virtual Power Plant

UTILITY-SCALE SOLUTIONS

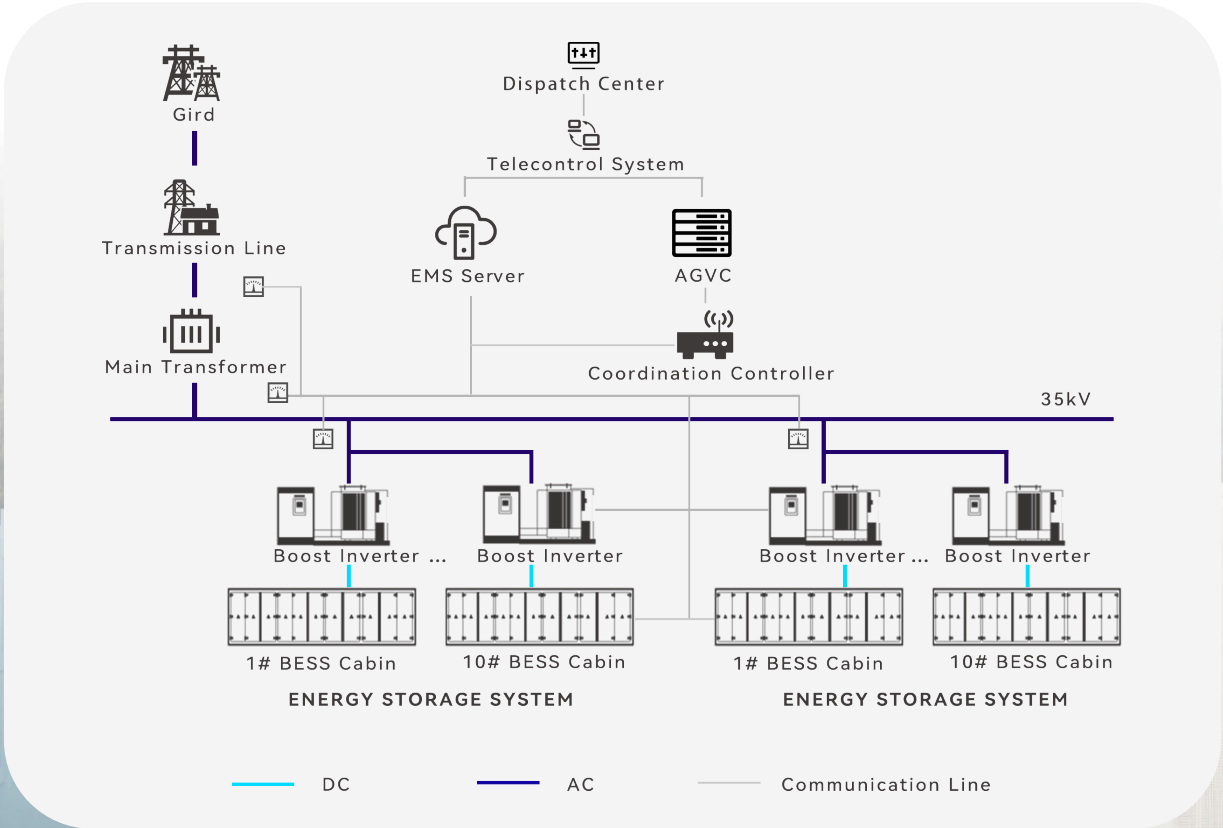
- Large-scale renewable integration
- Standalone BESS Station

Solution Overview

Lisiner provides utility-scale solutions for both generation and grid side projects.

The solutions deliver high safety, high cycling capability, and multi-market participation—including peak shaving, frequency regulation, aggregation, and energy trading—while VPP-based control enhances grid flexibility and renewable integration.

System Architecture



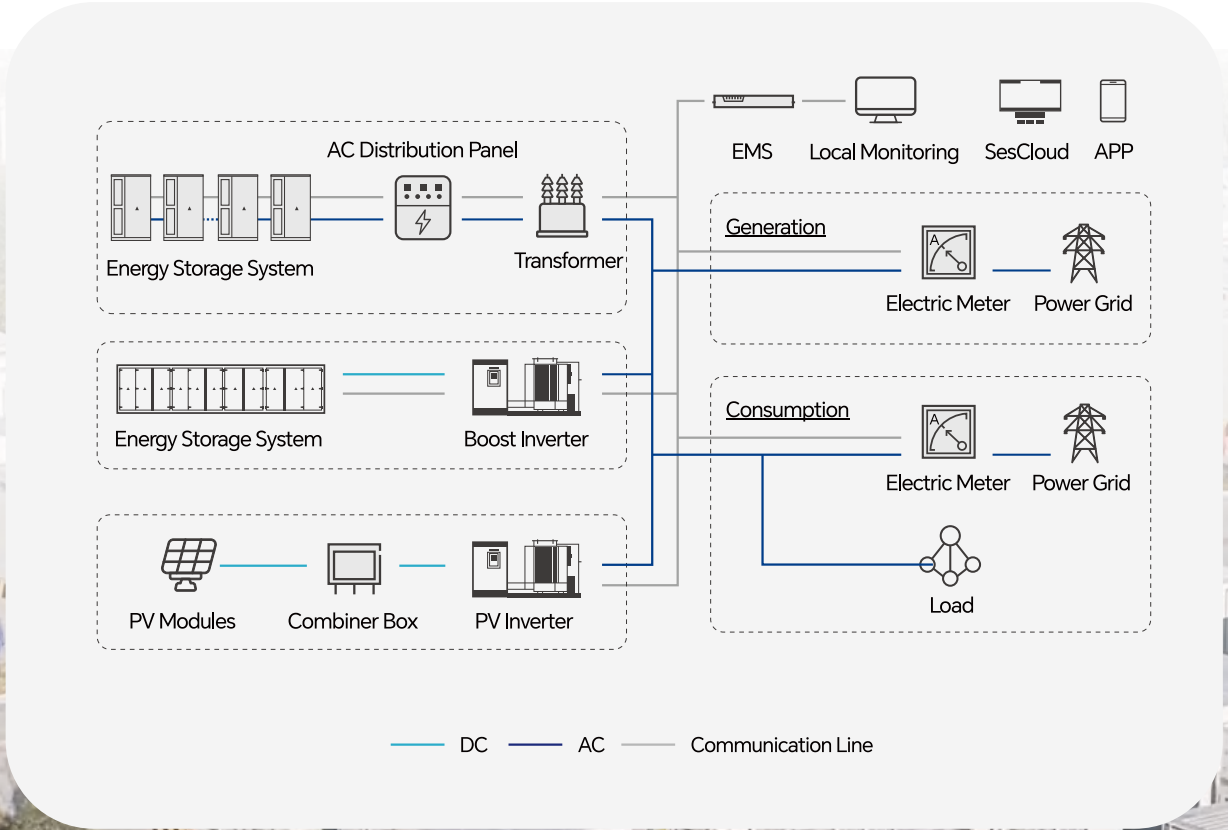
C&I SOLUTIONS

- Peak shaving and load shifting
- Enhanced asset returns

Solution Overview

Lisiner delivers C&I solutions that support multi-energy integration while enabling peak-valley arbitrage, load management, and renewable energy utilization. Through intelligent O&M and AI-driven optimization, the solutions improve energy efficiency and overall returns to drive cost savings and revenue growth.

System Architecture



MICRO-GRID SOLUTIONS

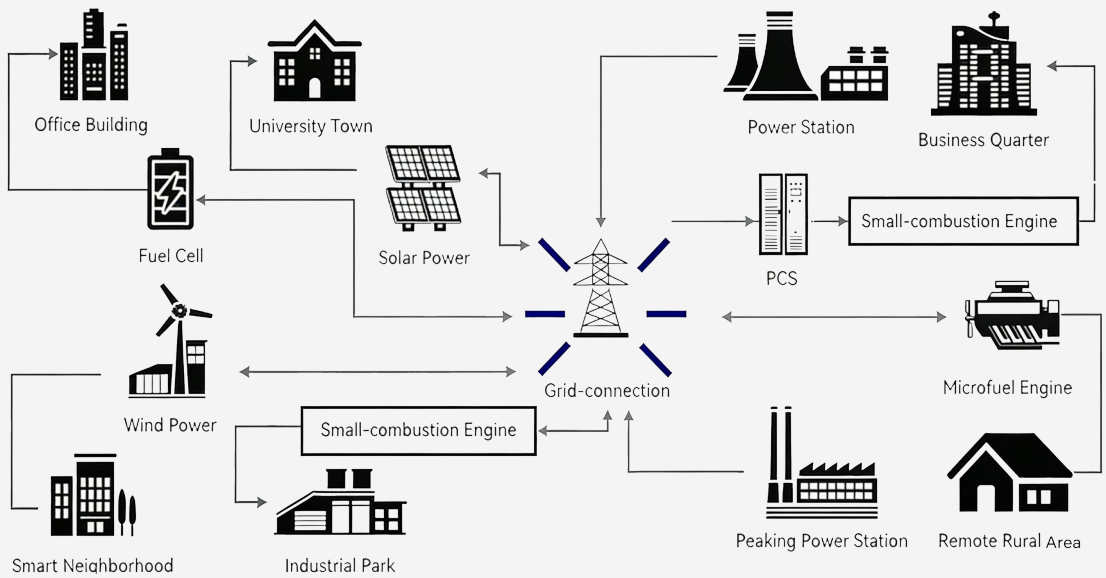
- Direct green power connection
- Park-level smart microgrids

Solution Overview

Lisiner supplies diverse energy storage products for smart microgrid solutions, enabling autonomous “Generation-Storage-Load-Dispatch” systems for parks and islands.

With seamless on/off-grid switching and intelligent multi-energy control, our solutions empower the full operational chain from power generation to market trading.

System Architecture



CASE STUDIES



47.5MWp/23.8MWh PV + ESS Project

Muara Island, Brunei

Powering a flagship Belt and Road project in Brunei, 8 LISINER Containerized ESS units feature a low-voltage 1P architecture for instant response. The C5-M and IP54-rated system in custom-engineered for long-term stability in extreme tropical heat, humidity, and salinity. The system ensures stable operation while driving Brunei's industrial green energy transition.

CASE STUDIES
UTILITY-SCALE PROJECTS

20MW/20MWh Frequency Regulation Project in Indonesia

This 20MW/20MWh project in Indonesia is designed for off-grid operation, supporting the factory's captive thermal power plant. Configured as a 1C system, it uses 6 units of 3.44MWh containerized energy storage systems to provide fast frequency regulation, stabilize load fluctuations, and improve internal power quality. Built for Indonesia's tropical climate, the system features liquid cooling and C5-M anti-corrosion protection for reliable operation in high-humidity and maritime environments.

Strengthening Grid Resilience For Indonesia

- 20MW/20MWh
- Thermal + Storage
- Accelerating Energy Transition， Driving Infrastructure Modernization





China Grid-Energy Storage Project
300MW/1200MWh



China Grid-Energy Storage Project
109.5MW/219MWh

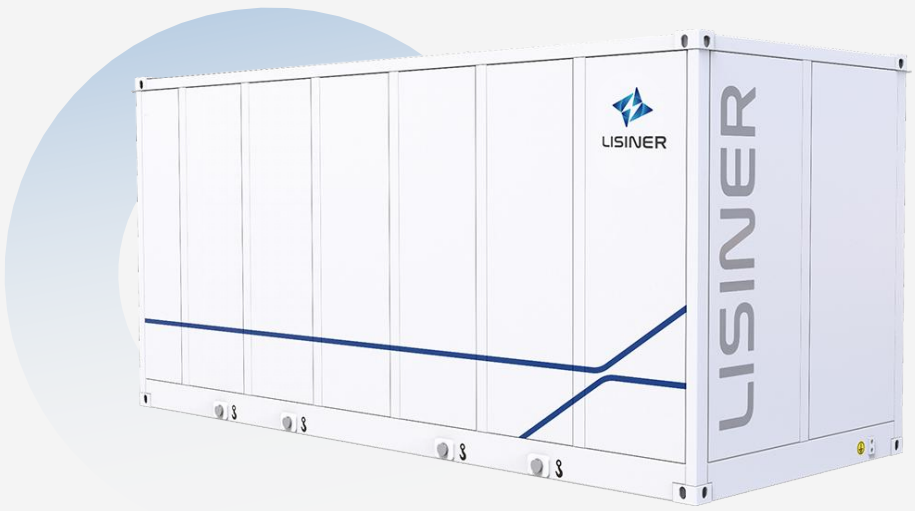


China Wind-Storage Project
22.5MW/45MWh



China Grid-Energy Storage Project
100MW/200MWh

C5016 CONTAINERIZED BESS



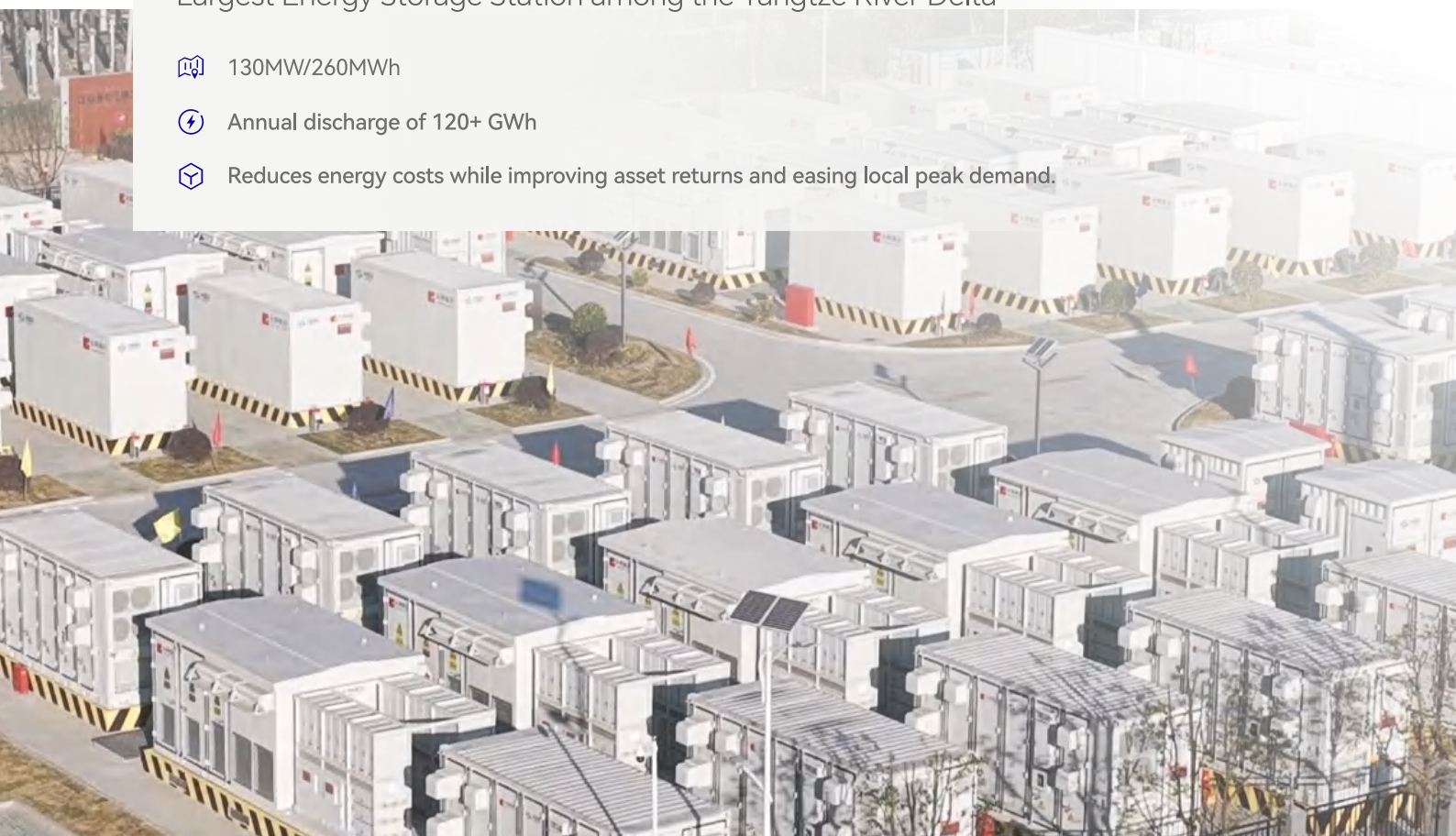
CASE STUDIES
MICRO-GRID AND C&I PROJECTS

130MW/260MWh C&I ESS Project in Jiangsu Province

Powered by LISINER, this 130MW/260MWh C&I ESS project for a steel manufacturer in Jiangsu deploys 52 units of LISINER C5016 for stable, large-scale operation. Coordinated by the SESCLOUD platform, it enables peak shaving, load smoothing, power-quality support, participation in power market trading, and VPP dispatch. With expected annual discharged energy exceeding 120GWh, the project reduces costs while improving asset returns and easing local peak demand.

Largest Energy Storage Station among the Yangtze River Delta

- 130MW/260MWh
- Annual discharge of 120+ GWh
- Reduces energy costs while improving asset returns and easing local peak demand.





▶ C&I | Materials Industry
Hunan | 28MW/160MWh



▶ C&I | Materials Group
Henan | 60MW/120MWh



▶ C&I | Steel & Metal
Jiangsu | 40MW/120MWh



▶ C&I | Chemical Industry
Zhejiang | 41MW/82MWh



▶ C&I | Electromechanical Industry
Jiangsu | 18MW/54MWh



▶ C&I | Steel & Metal
Zhejiang | 40MW/80MWh



▶ C&I | Agriculture
Bulgaria | 500kW/1MWh



▶ Microgrid Power-Computing Upgrade
Jiangxi | 2.8MWp PV + 5.4MWh ESS



▶ PV+ESS All-in-One Smart Microgrid Project
Chongqing | 2.3 MWp PV + 6.96 MWh ESS

R261 INTEGRATED PV-ESS

R261 DC CABINET





LISINER®

www.lisiner.com

info@yoening.com

ZHEJIANG JIANGXI · CHINA

LISINER

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