



POWER A SMART ENERGY
FUTURE WITH LISINER



LISINER

MISSION



Committed to the Sustainable
Development of Clean Energy

VISION

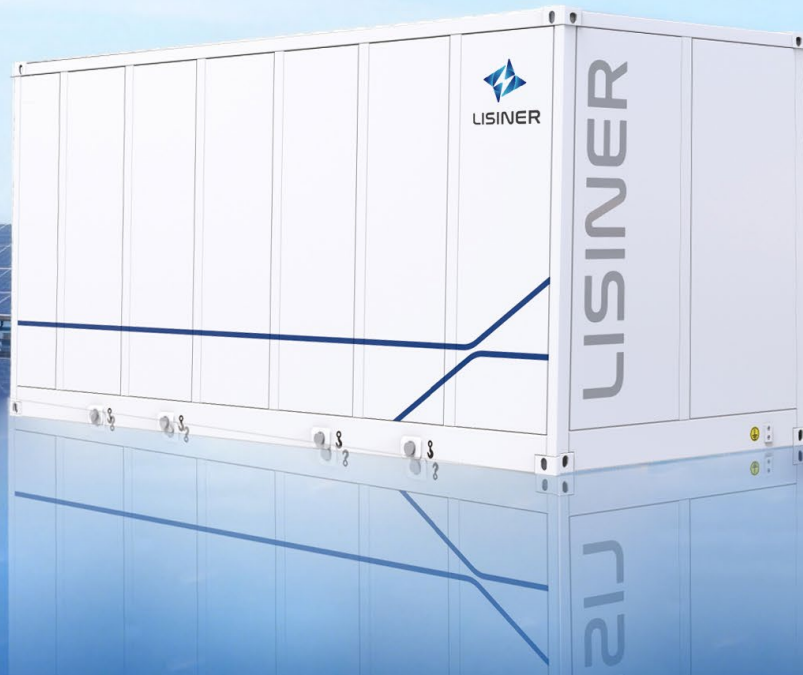


To be a Leading Green Smart
Microgrid Pioneer

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 4 GWh of projects and maintains 2.5 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.

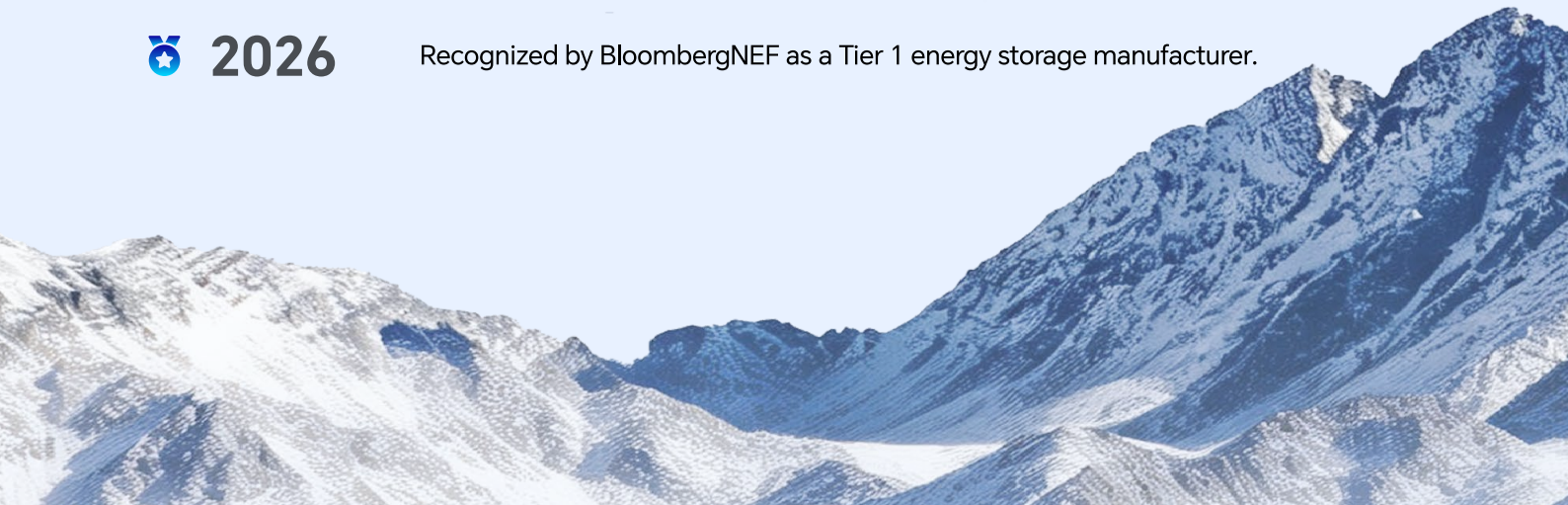
CONCENTRATE ON MICRO-GRID
SERVE THE POWER GRID

TIER 1



| 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



SESCLLOUD 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-R261DC

Industrial Park · Commercial Building · PV+ESS Charging Hub · Data Center · Grid Edge/Island

More Versatility



- Compatible with hybrid PCS for PV+ESS application
- Up to 6 units in parallel, scalable from kWh to MWh
- Applicable for ESS, charging, microgrids and more scenarios

High Efficiency



- Pure DC bus architecture, lower inverter losses and LCOE
- Simplified architecture reduces potential failure points
- Remote intelligent commissioning with one-click control

Easier Deployment



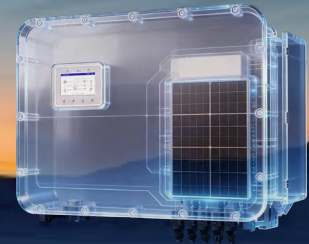
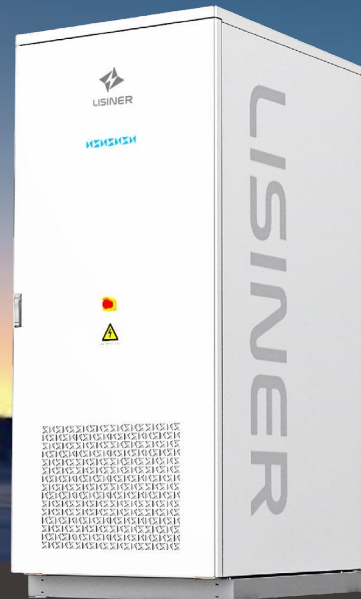
- Plug & play, pre-commissioned for shortening deployment time
- Intelligent O&M to reduce OPEX
- Compatible with local service for customization

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 DC CABINET



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

System Side	
Dimension (W*D*H)	1007*1345*2400mm
Weight	2400kg
Protection (IP) Rating	IP54
Noise Level	≤80dB@1m
Operating Temperature Range	-20°C~50°C (> 45°C derating)
Operating Humidity Range	0~95% (No condensation)
Maximum Operating Altitude	≤2000m
Thermal Management Method	Intelligent Liquid Cooling
Fire Suppression System	① Smoke Detector ② Temperature Detector ③ Pack-level Fire Suppression ④ Cabin-level Fire Protection ⑤ Aerosol Fire Suppression
Communication Interface	Ethernet, RS485, CAN
Communication Protocol	Modbus RTU, Modbus, TCP, CAN2.0B, IEC61850
Certificates	IEC 62619, IEC 62477-1, IEC 61000, UN 38.3

LISINER PV&ESS All-in-One Cabinet

- JAUNS-261PV+

Industrial Park · Data Center · Healthcare · Commercial Center · Grid Edge/Island · Demo Project

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

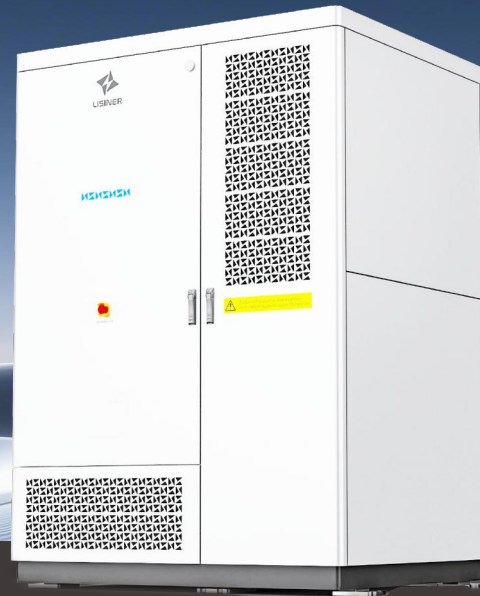
Safe & Reliable



- 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		DC Side	
Dimension (W*D*H)	1667±5×1320±5×2285±5mm	Nominal Capacity	261.24kWh
Weight	3350kg	Cell Type	LFP3.2V/314Ah
Protection (IP) Rating	IP54	Configuration	1P260S
Noise Level	≤80dB@1m	Charge/discharge Rate	0.5P
Operating Temperature Range	-20°C~50°C (> 45°C derating)	DC Voltage	832V
Operating Humidity Range	0~95% (No condensation)	Voltage Range	702V~936V
Maximum Operating Altitude	≤2000m	AC Side (On-grid)	
Thermal Management Method	Intelligent Liquid Cooling	Rated Power	125kW
Fire Suppression System	① Smoke Detector, ② Temperature Detector, ③ Pack-Level Fire Suppression, ④ Cabin-Level Fire Protection, ⑤ Aerosol	Maxi. Output Power	137kW
Communication Interface	Ethernet, RS485, CAN	Rated AC Current	166A
Communication Protocol	Modbus RTU, Modbus TCP, CAN2.0B, IEC61850	Max. AC Current	180A
Certificates	IEC 62619, IEC 62477-1, IEC61000, UL 9540A, UN38.3	Rated Grid Voltage	400V AC, -15%~+10%
		Rated Grid Frequency	50/60Hz, ±5Hz
RTE	90%	Power Factor (PF)	-1 (Lead) ~ +1 (Lag)
Design Life	≥15 years	THDi	<3% (of Rated Output Power)
Warrenty	5 years	Connection Type	3-Phase 4-Wire

MPPT (optional)		STS	
Maximum Input Power	63kW*2	Rated Grid-Side Power	250kW
Maximum Input Current	160A	Rated Grid-Side Current	361A
Full Power Voltage Range	573v~1000v	PCS Power Port	125kW
High Voltage Side Start-up Voltage	200v~1000v	Load Power	125kW

LISINER Liquid-Cooling Utility ESS

- TRITON-C5016

Generator · Grid · Industrial Park · Building · Charging Station · 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 $\Delta T \leq 3^{\circ}\text{C}$ and system $\Delta T \leq 5^{\circ}\text{C}$, ensuring high consistency
- Supports side-by-side and back-to-back layouts
- Intelligent liquid cooling reduces system loss

Flexible & Adaptable



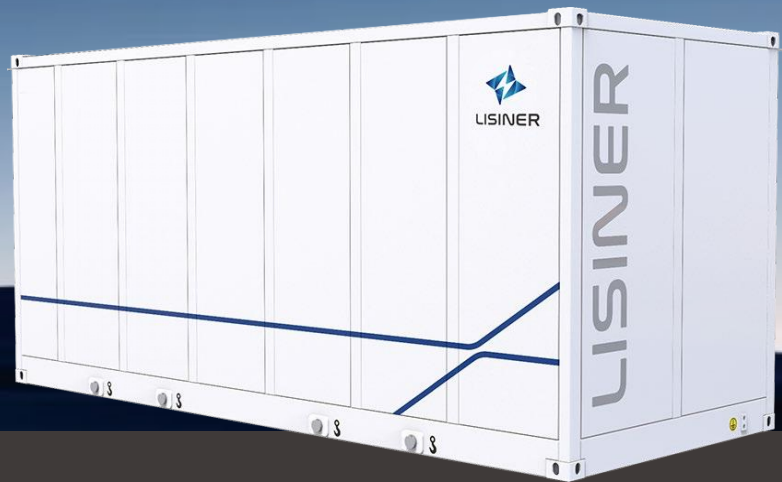
- Compatible with centralized/string-type architecture, and coupled PCS systems
- High anti-corrosion grades & IP55 protection
- Compatible with mainstream standardized protocols

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°C~50°C (> 45°C derating)
Operating Humidity Range	0~95%Rh (no condensation)
Maximum Operating Altitude	≤2000m
Thermal Management Method	Intelligent Liquid Cooling
Fire Suppression 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 Pack

1P104S

Dimension
W:790 H:246 D:2180



1P52S

Dimension
W:810 H:242 D:1154



314AH LFP,
HIGH ENERGY DENSITY



AEROSOL
FIRE SUPPRESSION



IP67 WITH BUILT-IN
ACTIVE FIRE MITIGATION



30 PRECISION
SENSING POINTS

Product Model	C-104S-L314-14-P1	C-52S-L314-06-P1
Nominal Voltage	332.8V	166.4V
Nominal Capacity	314Ah	314Ah
Nominal Energy	104.5kWh	52.25kWh
Charge/Discharge Voltage Range	260V-379.6V	145.6V-189.8V
Standard Charge/Discharge Rate	0.5P	0.5P
Dimension	W:790±2mm H:246±2mm D:2180±3mm	W:810±2mm H:242±2mm D1:1154±2mm
Weight	660±10kg	335±5kg
Fire Protection Method	Aerosol	Aerosol
Ingress Protection (IP) Rating	IP67	IP67

| LISINER Energy Management Unit

EMU200



Key Features

- Industrial-grade quad-core 64-bit processor with clock speed up to 2 GHz
- Highly integrated hardware design with multiple interfaces and a 10-inch touchscreen display
- Cloud-edge collaboration with unified access control
- One-click control for charging and discharging strategies with real-time synchronization
- Intelligent life-cycle management for energy storage units
- Includes all EMU100 functions

EMU100



Key Features

- Industrial-grade A9 processor, up to 1.4GHz
- Extensive support for industrial communication protocols
- Capable of one-way data acquisition
- Centralized data processing and redistribution capabilities
- Edge computing support with script language and logical programming features
- Connectivity to various cloud platforms

| 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.

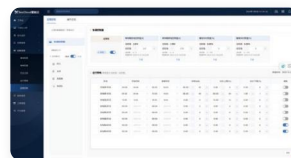
CORE FUNCTIONS



Panoramic Monitoring



Intelligent Strategy Formulation



Advanced Analytics

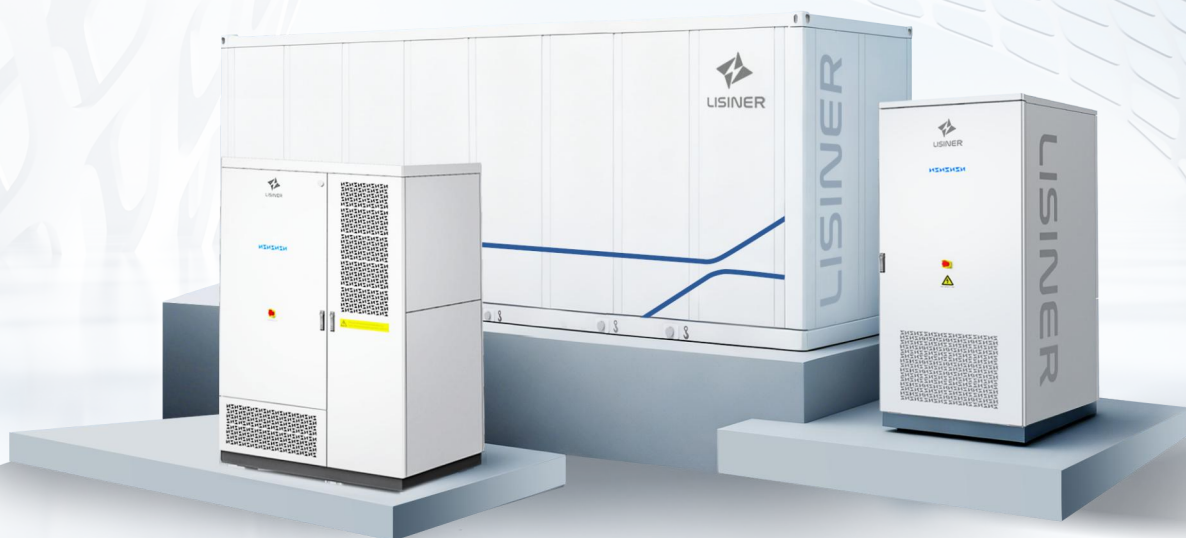


Smart Reporting

SMART ENERGY SOLUTIONS

Certified Compliance:

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



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

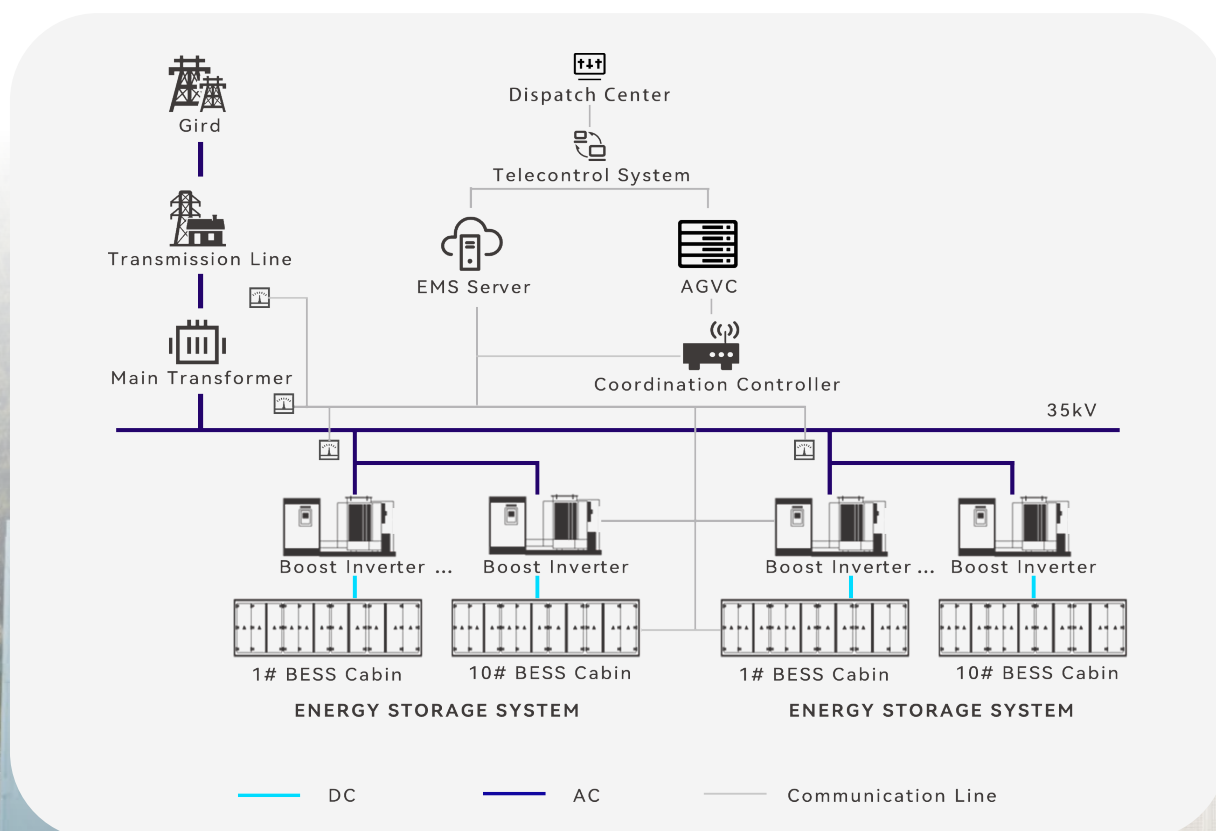
- Large-scale renewable integration
- Standalone BESS Station

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



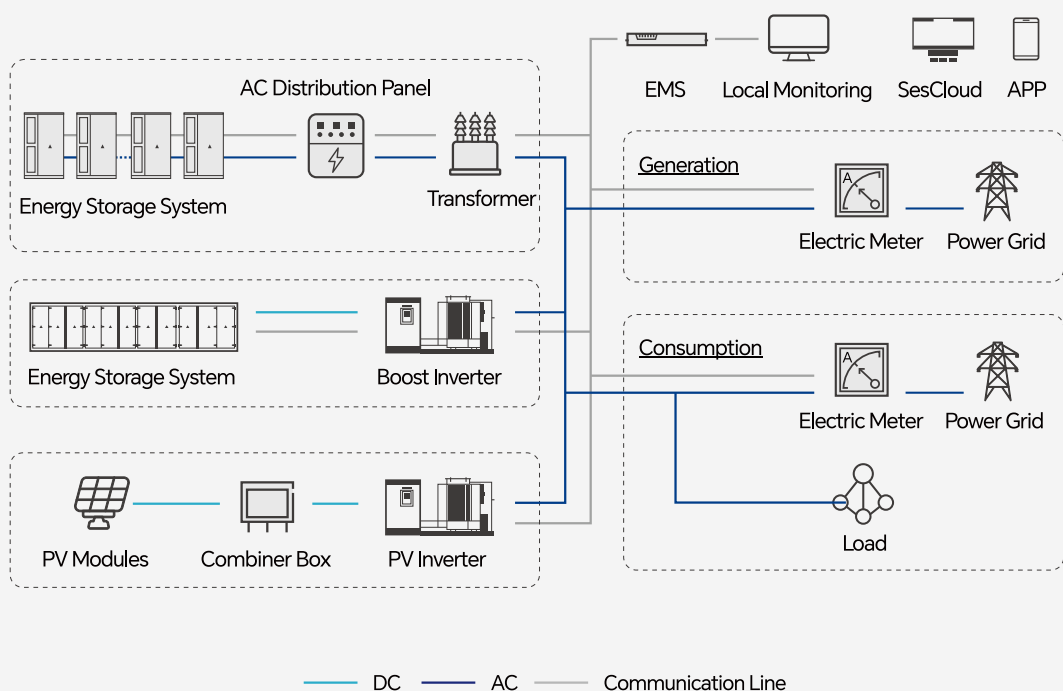
C&I SOLUTIONS

- 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

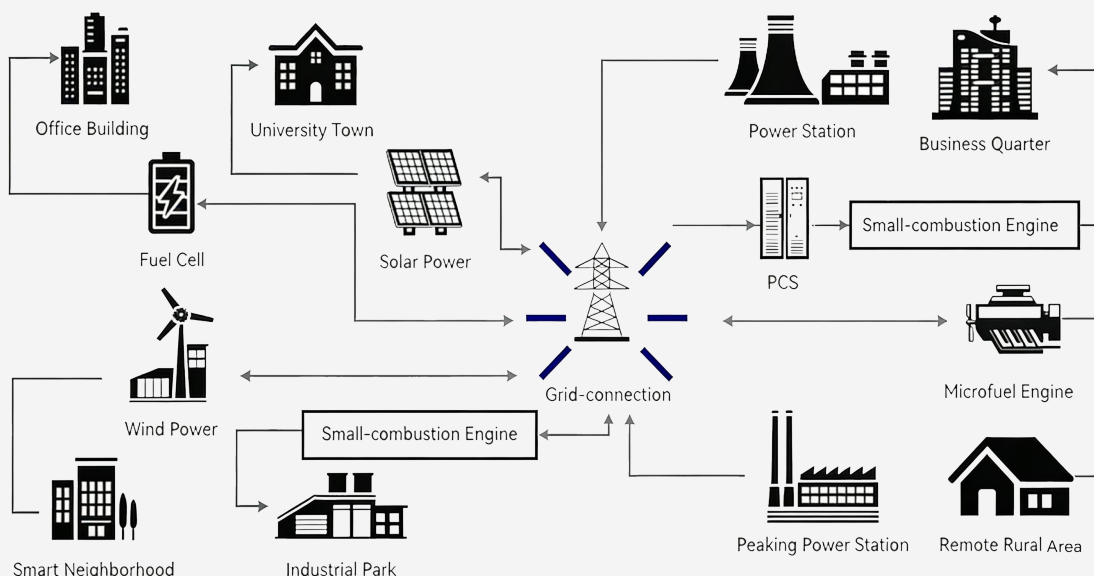
- Direct green power connection
- Park-level smart microgrids

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

TOWARDS A ZERO-CARBON FUTURE WITH LISINER



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 is 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

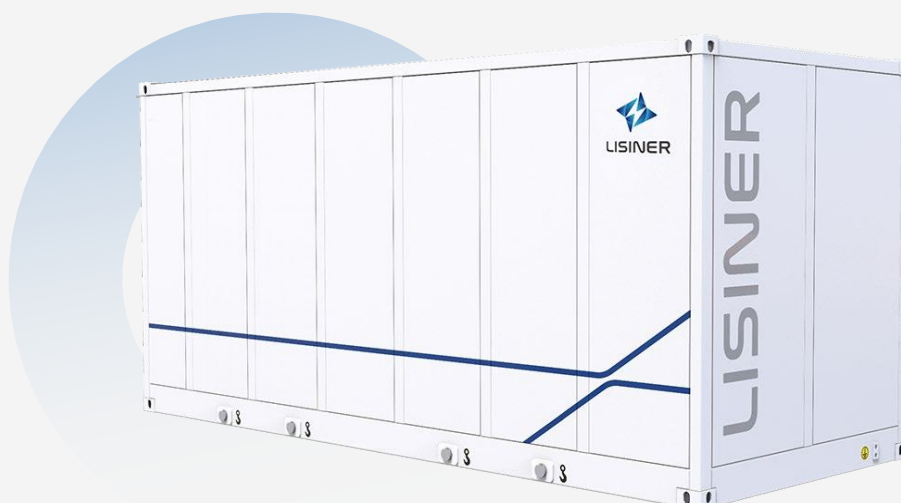


📍 China 🏗️ Wind-Storage Project
📊 22.5MW/45MWh



📍 China 🏗️ Grid-Energy Storage Project
📊 100MW/200MWh

C5016 CONTAINERIZED BESS



CASE STUDIES

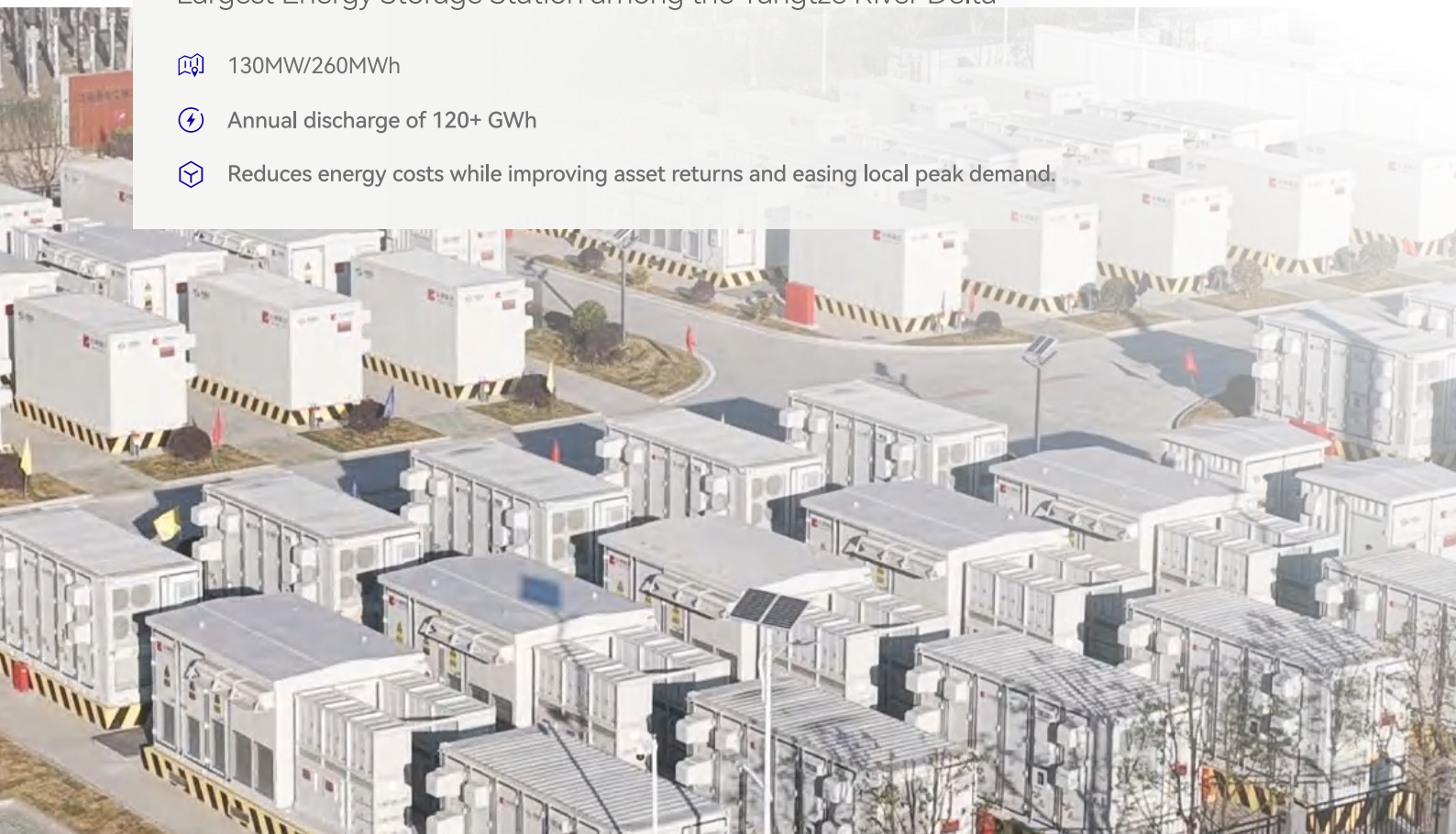
MICRO-GRID AND C&I PROJECTS

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 SESCOUD 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







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LISINER

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