COSPOWERS

SMART LITHIUM BATTERY TOTAL SOLUTION PROVIDER

Cospowers Technology Co., Ltd.

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Anhui Cospowers New Energy Co., Ltd.
On both sides of Jing 19 Road,South of Tiankang Avenue, Tianchang City, Anhui Province, PRC

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About Cospowers

Cospowers Technology Co., Ltd.is a high-tech enterprise specializing in the field of new energy storage. With a technical team boasting over 30 years of deep expertise in the energy storage battery industry, the company possesses comprehensive capabilities in R&D, manufacturing, sales, and service across materials, cells, battery management systems, energy management systems, and system integration. It has provided diversified products and systematic solutions for more than 70 countries and regions worldwide in sectors such as utility-scale energy storage, commercial and industrial energy storage, data center energy storage, telecommunications energy storage, residential energy storage, sodium-ion battery energy storage, and consumer batteries.

23GWh+
Global Cumulative Shipments

Tier1
BloombergNEF Energy Storage Manufacturer

860K ㎡
Factory Area

530+
Patents and Software Copyrights

30+
Participation in Standard Formulation

Enterprise Culture

OUR VISION

Become a respected intelligent lithium energy overall solution provider

OUR MISSION

Promote ecological conservation
share clean energy

CORE VALUE

TEAM
Trustworthiness
Effective collaboration
Adventurous spirit
Moderately inclusive environment

Development History

Cospowers has a deep understanding of power and energy storage systems, records the development and changes of lithium energy storage, and leads the development of the industry.

2000

China's first batch of lithium-ion battery R&D and manufacturing enterprises.

2007

China’ s first group of enterprises of R&D and manufacturing power lithium-ion battery.

2012

No.1 market share in the lithium ion energy storage of international communication base station.

2013

Shenzhen Coslight was established.

2019

Cospower was established. Subsidiaries of Harbin, Changde were established.

2020

Dongying factory of 3GWh was put into operation.

2021

"Simple" series energy storage cell was released;
Changde plant of 1.5GWh was put into operation;
The United Nations supply chain light storage business was obtained, and the energy storage system went to sea for the first time;
Smart lithium battery energy storage products was released;

2022

Cospowers of Beijing, Anhui, India,South Korea have been established successively;
A single 100MWh+ energy storage system successfully connected to the grid;
Changsha Technology Institute was established;
The high energy liquid cooled energy storage system products was released, and the 80MWh system applications was realized;

2023

The 720MWh energy storage system order bidding was won;
Cospowers of Guangdong, Netherlands were established successively;

2024

Cospowers Technology Co., Ltd was established;
Changde 1.5GWh sodium battery production line started;
Anhui plant of 1.5GWh was put into operation;

2025

BloombergNEF 2025 Global Tier 1 Energy Storage Manufacturer;
The 1.5GWh sodium-ion battery production line in Changde officially entered mass production.

Global Layout

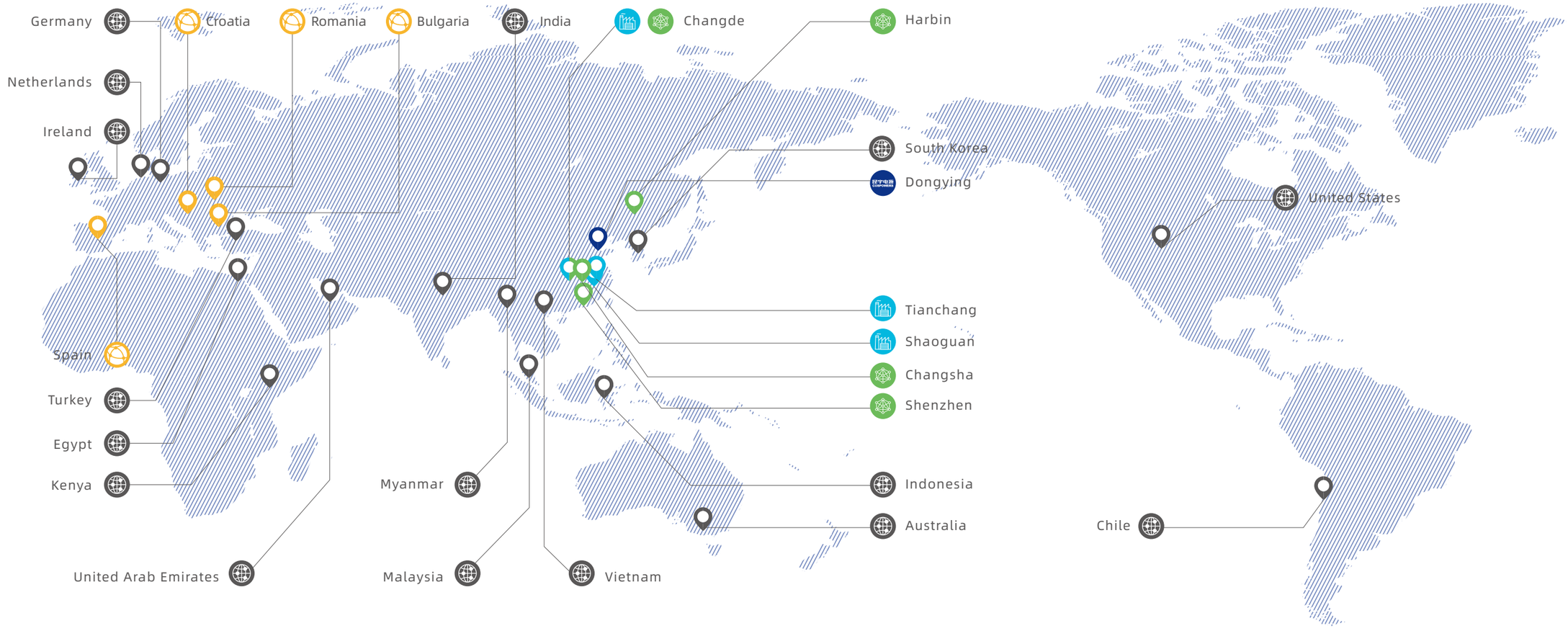
As a pioneer in the field of energy storage in China, Cospowers has taken the lead in going out on the road of globalization.

70+ Service Coverage

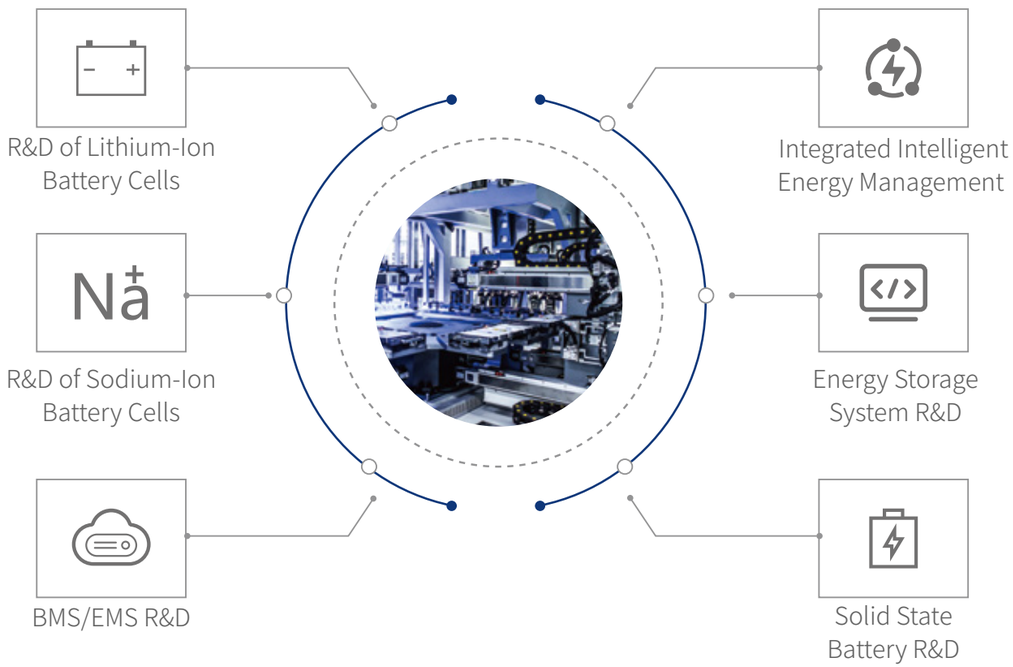
28 Domestic and foreign subsidiary companies

3 Production Base

4 R&D Centers



R&D Layout



R&D platforms

Cell research and development center
Network Energy Research and Development Center
Electronic research and development center
Power research and development center

R&D resources

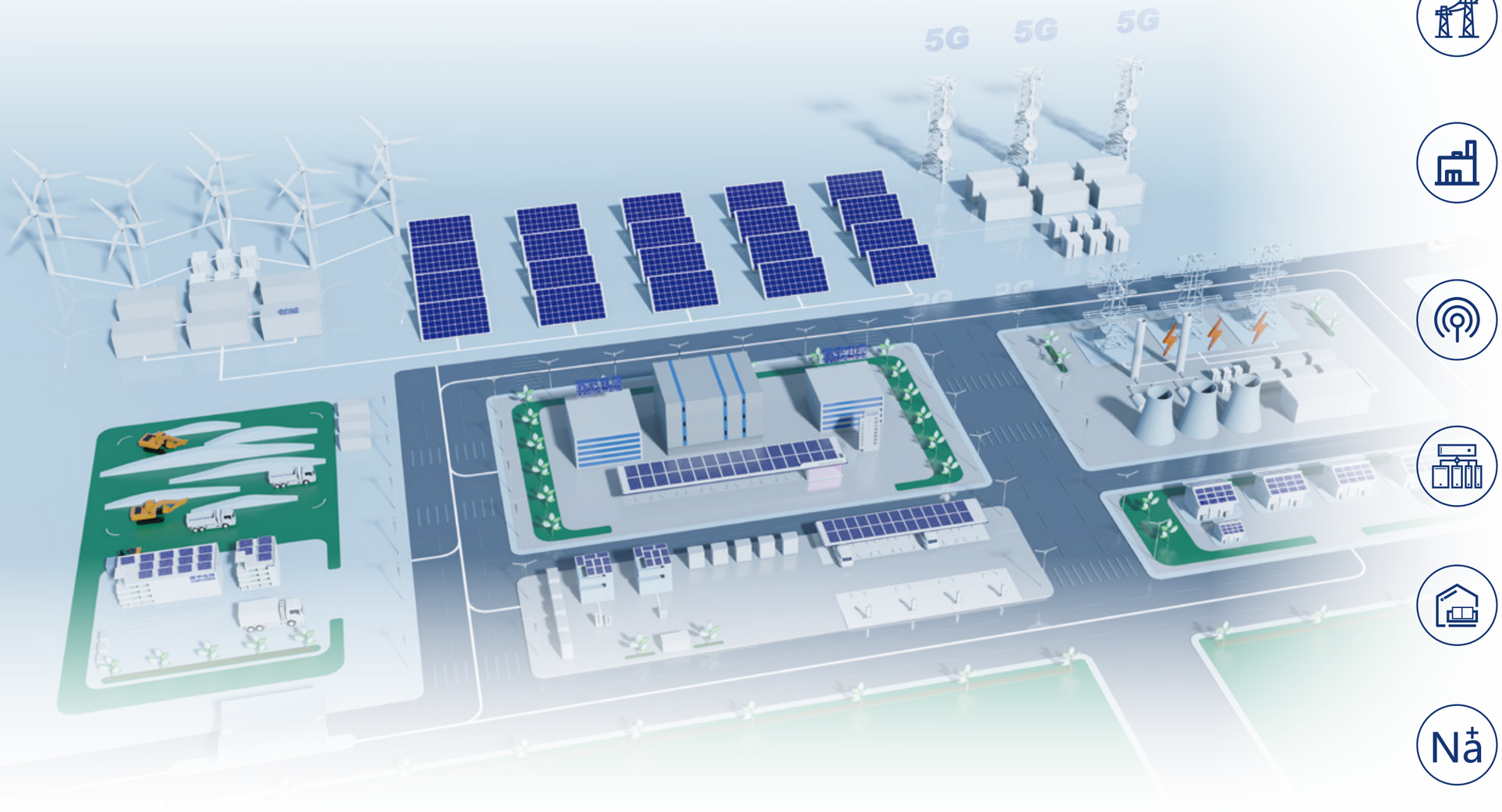
R&D personnel: **350+**
R&D patents: **530+**
R&D input: **5%+**
Industry standard setting: **30+**
Total laboratory area: **10000+㎡**
1 Provincial enterprise technology center
1 National postdoctoral research station

University-industry cooperation

Harbin Institute of Technology
Central South University
Harbin Engineering University
University of Jinan

Business Layout

Build energy storage lithium level station, assistant to achieve carbon neutrality.



- Electric energy storage
- Industrial and commercial energy storage
- Communication energy storage
- Data Center energy storage
- Household energy storage
- Sodium-Ion Battery Energy Storage

Global Solutions

Energy Storage Cell

· Lithium ion laminated cell
· Sodium ion laminated cell

PACK Integration

· Safe, Stable, Reliable and Efficient
· Integrated Liquid Cooling,Ultra-Long Lifespan

Battery System

· Wide Adaptability for All Scenarios, Diverse Configuration Options
· Lightweight yet High Strength, Meeting User Requirements

Cospowers AI Smart Cloud Platform

· Intelligent Diagnosis, Smart Telemetry
· Advanced Remote Adjustment, Intelligent Remote Control

Cospowers Energy Management System

· Monitoring and Dispatching, Smart Assessment
· Safety Management, Energy Forecasting

Cospowers Battery Management System

· Meets the Requirements of Mainstream International Clients
· Compliant with the GB/T-34131 Standard

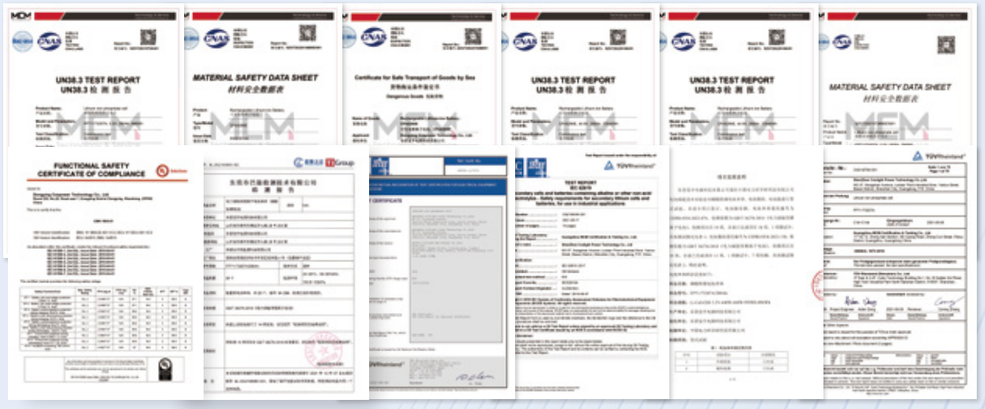
Product Certification

Certification by domestic and foreign authorities

UN38.3、UN3536、IEC62619、IEC62620、IEC62109、IEC61508、IEC62040、IEC62133、IEC62933、CE-EMC、CE-LVD、ROHS、UL1642、UL1973、UL9540A、UL9540、UL1741、NFPA855、YD/T2344.1、GB/T36276、GB 44240

Each series of system certification

ISO9001：2015、ISO14001：2015、ISO45001：2018



Brand Reputation

Tier1

BloombergNEF Global Tier 1 Energy Storage Manufacturer

Source: Bloomberg

Tier1

2025 Global Tier 1 Energy Storage System Supplier

Source: Dun & Bradstreet, SMM

TOP500

2025 China's Top 500 Energy Enterprises

Source: China Energy News, China Energy Research Society

TOP100

2025 China's New Top 100 Globalization Enterprises

Source: Entrepreneur

TOP10

2025 Top 10 Energy Storage Battery Suppliers of the Year

Source: International Energy Network, Guoneng Energy Research Institute

TOP10

2025 GGII Top 10 Energy Storage Industry "Self-Produced Battery · System List"

Source: GGII

TOP4

Global Market Shipment of China's Communication Energy Storage Lithium Batteries in 2024

Source: GGII

TOP8

Global Market Shipment of China's Energy Storage Systems (DC Side) in 2024

Source: GGII

· National Intellectual Property Advantage Enterprise
· Climate Action - China "Carbon Pathfinder" Pioneer Enterprise
· Among the First Batch of Units in China to Pass Sodium-Ion Battery Assessment
· Shandong Provincial Quality Benchmark Enterprise

· National Specialized and Sophisticated "Little Giant" Enterprise
· Hunan Provincial Manufacturing Champion Enterprise
· Hunan Provincial Green Manufacturing Unit
· Shandong Provincial Enterprise Technology Center

Intelligent Manufacturing System

Intelligent manpower management

The whole post life cycle intelligent management,effectively ensure the reliable delivery of products.

Automated flexible production

Automatic intelligent production line, flexible, large-scale production, improve product consistency.

Precise control of the whole process

Intelligent identification, accurate traceability,to ensure product quality level.

Transparent information management

IoT big data, MES system, transparent visual management.

Full life cycle management and services

Take customer value as the center, establish a full range of technical quality standardization management;

Based on smart factory, highly automated production line, accurate monitoring, to achieve first-class production cycle and delivery capability;

Full-stack self-developed product development strategy: through the whole production chain control of cell materials, cell manufacturing, BMS, PACK modules, system integration, cloud data, system testing, FCL transportation, delivery to customers, etc., to improve product reliability;

Zero Carbon Future

With the mission of "Promote ecological conservation, share clean energy", we help every user take the first step of green energy and low carbon.

Cumulative shipments exceed

23GWh

Roduce clean electricity

230GWh+

Reduce CO2 emissions

16300+T

Save coal

6300+T

Increase planting

208000+

* Data is available until the end of 2025

Electric Energy Storage Application Cases

Bulgaria 200MW/800MWh Battery Energy Storage System (BESS) Projec

This project not only provides the local power grid with stable and reliable power regulation capacity but also significantly enhances the grid integration efficiency of renewable energy. It can continuously supply electricity during peak demand periods and store surplus power when grid demand is low, thereby effectively balancing supply-demand fluctuations and enhancing grid resilience. This contributes to building a more efficient and cleaner power system for Bulgaria and even the broader European region.

Spanish 54.92MW/250.72MWh Hybrid Energy Storage System Project

COSPOWERS battery energy storage system, supplied to Spain, has successfully empowered a "photovoltaic + energy storage" hybrid project, achieving stable grid integration and efficient electricity sales of clean power. By mitigating fluctuations in photovoltaic power generation, this project significantly enhances grid flexibility and the absorption capacity of renewable energy. Moreover, its smart energy storage solution ensures stable operation and maximizes revenue for the power station.

Electric Energy Storage Application Cases

11MW/22.99MWh Energy Storage Project in India

This project provides the local power grid with stable and efficient flexible regulation capabilities, effectively alleviating peak and valley power supply pressures and significantly enhancing the absorption level of renewable energy. It not only strengthens the reliability and resilience of the regional power grid, ensuring continuous and stable power supply, but also offers practical infrastructure support for India in achieving its clean energy goals and transitioning to a low-carbon power system.

Latvia 5MW/10MWh Energy Storage System Project

In this project, the COSPOWERS team conducted in-depth research on local users' electricity consumption patterns and operational challenges. Through customized energy storage system design, the team helped customers effectively smooth load curves, optimize energy cost structures, and provide essential auxiliary services to the power grid.

Electric Energy Storage Application Cases

20MW Wind Power and 20MW/40MWh Battery Energy Storage Project in Nianfeng, Tieli, Yichun, Heilongjiang

This project utilizes a 20MW energy storage system to effectively smooth wind power output and reduce wind curtailment, significantly improving the dispatchability of the wind farm and its grid-friendliness. It provides stable support and flexible regulation capabilities for regional power grids with a high proportion of renewable energy, serving as a benchmark demonstration for the integrated development of "clean energy + energy storage."

200MW Aquaculture-Photovoltaic Complementary Power Generation and 87.5MW/175MWh Energy Storage Project in Tianchang, Anhui

The project enables flexible control of grid supply, effectively regulating grid inflection points, smoothing power fluctuations, and performing peak shaving and valley filling to improve power quality. Additionally, it helps absorb sunlight and lower ground temperature, offering significant low-carbon environmental benefits.

Electric Energy Storage Application Cases

50MW Wind Power Generation and 50MW/200MWh Energy Storage Project in Wuqia, Xinjiang

Upon commissioning, the project is expected to generate approximately 526 million kWh of electricity annually, save 160,500 tons of coal per year, and reduce emissions by 438,000 tons of CO_2, 842,000 tons of SO_2, and 94.2 tons of NOx. It significantly decreases reliance on fossil fuels while delivering both economic and environmental benefits, laying a solid foundation for the company's high-quality development and the region's green transition.

80MW/160MWh Wind Power Energy Storage Project in Weining, Guizhou

Leveraging Weining Autonomous County's abundant wind and solar resources, the project is equipped with 32 sets of 2.5MW/5MWh electrochemical energy storage subsystems, including 64 prefabricated cabins and 2 cable circuits. It aims to promote the absorption of new energy and enhance grid stability.

Industrial&Commercial Energy Storage Application Cases

Madagascar IVATO Industrial Park Integrated Solar-Storage-Diesel Smart Microgrid Project

This project fully leverages the region's abundant solar resources by adopting an integrated solar-storage-diesel energy storage solution. It ensures stable power supply to the park through precise and reliable voltage regulation, effectively reducing the average daily power outage time. With the flexible regulation capability of the energy storage system, the project significantly decreases the park's reliance on expensive imported fossil fuels and alleviates peak-hour electricity demand pressure. This microgrid system not only meets the park's unique energy needs but also substantially helps lower energy costs, achieving a balance between reliable power supply and optimal economic benefits.

U.S. Commercial & Industrial Energy

This project provides enterprises with stable and reliable power support, effectively reduces peak electricity costs through intelligent load management, and facilitates economical, efficient, and sustainable energy operations.

Industrial&Commercial Energy Storage Application Cases

Scotland Commercial & Industrial Energy

This project provides industrial users with reliable power support and peak-valley arbitrage through intelligent energy storage, effectively reducing operational costs and supporting the efficient utilization of green energy.

Shandong Oilfield DC Microgrid with Flexible Solar-Storage-Wind Integrated Energy Storage System

This project represents an innovative application of COSPOWERS' integrated "photovoltaic + energy storage + flexible control" solution in the traditional oil field extraction sector. By constructing a DC microgrid, it achieves direct supply of green electricity and flexible load regulation, helping the oil field increase its green electricity substitution rate to 75% and significantly reduce energy consumption per ton and electricity costs.

Industrial&Commercial Energy Storage Application Cases

Norway Commercial & Industrial Energy

This project reduces energy costs through intelligent peak and off-peak regulation, while enhancing power supply reliability, helping customers achieve efficient and sustainable energy management.

U.S. Off-Grid Solar-Storage Integrated Backup Power Project

This project represents a benchmark integrated photovoltaic and energy storage solution provided by COSPOWERS Power for a US client. Specifically designed for harsh desert environments, the system centers on highly reliable energy storage to ensure 24/7 uninterrupted operation of servers under off-grid conditions.

Industrial&Commercial Energy Storage Application Cases

Myanmar Commercial & Industrial Energy Storage Project

The project reduces corporate electricity costs by generating revenue through methods such as peak-valley price arbitrage and demand charge reduction. The containerized energy storage power station utilizes its EMS energy management system to collect real-time data on the transmission power of the dedicated 10kV power supply line and the load rate of the transformer at the energy storage grid connection point. In coordination with COSPOWERS's cloud platform, the system provides real-time optimal charging and discharging control strategies. This enables efficient operation of the energy storage system while allowing the factory's active power to achieve self-balance.

Jiangsu Taixing Garment Washing Factory Commercial & Industrial Energy Storage Project

Through an efficient energy storage system, this project significantly achieves peak shaving and valley filling, reduces electricity costs, and ensures continuous and stable production operations. By connecting to a virtual power plant, it provides power auxiliary services, generates additional revenue, and shortens the investment payback period. Additionally, it increases the proportion of green electricity usage in the facility, offering a reliable and cost-effective smart energy solution for the sustainable operation of high energy-consuming industries.

Communication Energy Storage Application Case

China Tower Zhejiang Smart Lithium Project

The smart lithium energy storage products provided by Cospowers enable mixed use with multiple battery types through an advanced BMS (Battery Management System) and diverse operational modes. Their mixed deployment with lead-acid batteries, as well as new and old echelon batteries, offers greater flexibility in the renovation of old base station energy storage systems. This approach avoids asset waste, allows more flexible energy storage configuration, and enhances safety and intelligence. It also simplifies transportation and maintenance.

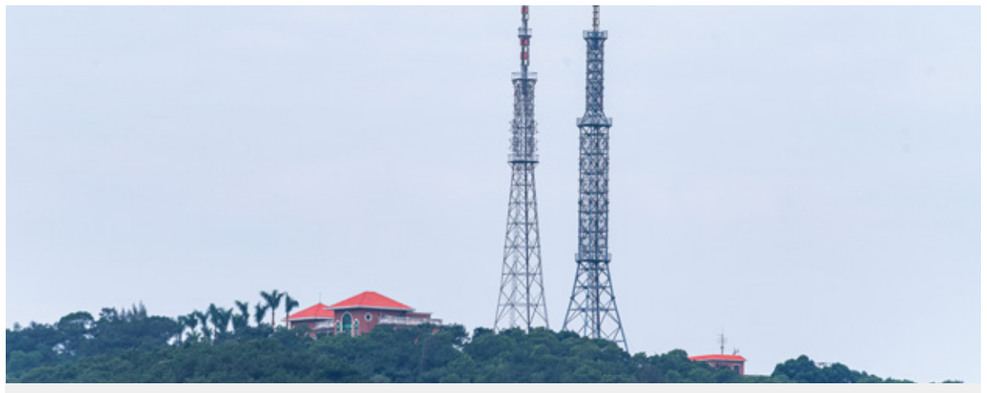
China Mobile Hunan 5G Micro-Station Integrated Project

In this project, a highly integrated energy storage solution was provided for 5G micro base stations in Hunan. The system ensures continuous and stable power supply to the base stations during grid power interruption or fluctuation, thereby strongly supporting the high reliability and extensive coverage of the 5G network.

Communication Energy Storage Application Case

South Korea KT Telecom Base Station Project

The purpose of utilizing backup power modules in KT base stations in South Korea is to ensure continuous communication services in the event of main power failures or power outages, thereby maintaining the stability and reliability of the communication network. The role of backup power modules is to provide an alternative power supply to address main power failures, preventing base station shutdowns caused by power issues. This avoids inconvenience to users and safeguards the quality of communication services.



Cambodia Metfone Base Station Project

In Cambodia, the Metfone base station energy storage project plays a crucial role in ensuring reliable power supply for base stations. Due to the relatively weak power infrastructure in the region, power outages occur frequently. The backup power system at Metfone base stations provides a stable power supply, ensuring the normal operation of the communication network.

Data Center Energy Storage Application Case

Shanghai Mobile Lingang IDC Data Center UPS Project

This project provides high-reliability power protection for the Shanghai Mobile Lingang Data Center. By optimizing spatial layout and outdoor battery deployment, it simultaneously enhances safety and increases usable space within the equipment room. The solution offers strong scalability, supports flexible parallel connection, and utilizes intelligent monitoring and remote management to achieve predictive maintenance and efficient operation of the battery system.

China Unicom Shanxi Data Center Project

The presence of a data center battery system enables rapid switching to backup power in the event of primary power source failure, ensuring the reliability of the data center. Additionally, the backup power system can provide electricity support during maintenance or upgrades of the primary power source, further enhancing the data center's reliability and reducing its operational risks.

Data Center Energy Storage Application Case

South Korea Cheongju Data Center UPS Backup Lithium

This high-reliability lithium battery backup power solution for the Cheongju Data Center in South Korea ensures "zero interruption" operation for core data loads, guaranteeing the continuity of data services even under extreme power conditions.

South Korea IDC Data Center Project

This project provides full-cycle high reliability to support the continuous operation of core loads, effectively addressing grid fluctuations and sudden power outages to ensure "zero interruption" of data services. The solution combines high power density with long cycle life, significantly optimizing data center energy efficiency and space utilization, and helping customers reduce operational costs.

Sodium Battery Energy Storage Application Case

China Mobile Ningxia Data Center Distributed Photovoltaic Project

This project fully utilizes the abundant solar resources in Northwest China. Through an integrated "photovoltaic + sodium battery" solution, it provides high safety, low cost, and wide-temperature-tolerant green backup power and flexible peak-shaving capabilities for data centers. This effectively improves the energy efficiency and green power ratio of data centers, offering innovative pathways and reliable choices for the communications industry to achieve low-carbon, highly reliable energy transition.

China Mobile Heilongjiang Smart Sodium Battery Project

The COSPOWERS Smart Sodium Battery Project, in collaboration with China Mobile, has successfully completed pilot installations in Heilongjiang. The project is primarily applied in harsh environments such as extremely cold regions without heating facilities, reducing additional expenses associated with heating.

Sodium Battery Energy Storage Application Case

China Tower Heilongjiang Smart Sodium Battery Project

Testing the exceptional low-temperature performance of sodium-ion batteries in extreme cold environments. The specific scenario involves a tower computer room powered by a pure sodium-ion battery solution, featuring an intelligent Battery Management System (BMS) connecting 8 sets of CN4875T in parallel to form a 48V 600Ah system, enabling intelligent management of base station equipment.

China Tower Gansu Smart Sodium Battery Project

As a tower roadside base station, this site adopts a hybrid scenario combining sodium-ion batteries and lead-acid batteries, configured with one set of CN4875T battery packs and 200Ah lead-acid battery packs. Through an advanced BMS and versatile operating modes, flexible mixing of various batteries is achieved. The combination of lead-acid batteries with old and new tiered batteries makes energy storage retrofitting for old base stations more flexible and avoids asset wastage.

After Aales Aervice

Cospowers supply to enhance customer satisfaction as the guidance, to provide customers with high quality, efficient, professional technical services.

2 hours real-time response
8 hours to the scene
24 hour solution
72 hours troubleshooting

We have branches in 21countries and regions around the world
And has nearly 30 regional service centers, spare parts warehouse.

Provide large-scale project technical services 100+ times a year
On-site installation and maintenance training work 20+ times.

Power stations visited 10+ provinces throughout the year.

Cooperative Customer

70+
Global service coverage

500+
Global partner