



Henan Vanyo Lithium Battery Technology Co., Ltd.

# Company Brief

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# Henan Vanyo Lithium Battery Technology Co., Ltd.

**Jiyuan Wanyang Smelting (Group) Co., Ltd**

**Chinese Top 300 Private Enterprises** (Ranked 236<sup>th</sup>)

**Founded in 1995 (30 years)**

Registered capital of **39 Million EUR**

Total assets of **2.1 Billion EUR**,

Covering an area of **1.31 Million m<sup>2</sup>**,

More than **6,000 employees**.

**24 wholly-owned subsidiaries and 6 joint ventures,**

Non-ferrous smelting,

Comprehensive recycling,

Jewelry,

Chemical industry,

New energy,

Gold and silver products,

Health industry,

Logistics and transportation.

**The annual production capacity:**

350,000 tons of electrolytic lead,

200,000 tons of alloy lead,

2,000 tons of silver,

3,000 tons of antimony,

600,000 tons of compound fertilizer,

3.6 million KVAH of low-speed electric vehicle batteries,

20 million electric vehicle batteries,

1.1 million UPS power batteries,

50 million square meters of gypsum board,

400 tons of silver products,

2 tons of gold products.

200,000 tons of sulfuric acid,

30,000 tons of zinc oxide,

5 tons of gold,

800 tons of bismuth,







# Henan Vanyo Lithium Battery Technology Co., Ltd.

## Jiyuan Wanyang Battery Co., Ltd

A wholly-owned subsidiary of Jiyuan Wanyang Smelting (Group) Co., Ltd.

**Founded in 2011 (14 Years)**

### **Specializes in the production:**

Lead-acid power batteries,  
Graphene series lead-acid batteries  
Energy storage batteries  
Lithium batteries  
UPS batteries  
Other products

**“The annual influential product in the electric vehicle industry”** for many times.

The lead-acid batteries **“Wanyang”** and **“Huashen”** brand.

**“Wanyang”** brand lithium batteries.





# Henan Vanyo Lithium Battery Technology Co., Ltd.



A wholly-owned subsidiary of Jiyuan Wanyang Smelting (Group) Co., Ltd.

**Founded in 2021**, Spin-off from parent company in **2024**.

## Main Product:

Industrial and Commercial energy storage products  
Home using energy storage batteries  
Commercial battery  
Swap lithium batteries  
Civil power lithium batteries

**Annual production capacity:** 20 GWh

**2024 Annual Sales:** 42 Million EUR

## Wall Mounted Energy Storage Batteries

2.5kWh, 5kWh, 10kWh, 15kWh,

## Outdoor Energy Storage Cabinets

232kWh, 261kWh, 372kWh, 418kWh

## 3U / 5U Hight Voltage Rack Battery

3U (20.48~51.2kWh) 5U (108~215kWh)

## Energy Storage Container

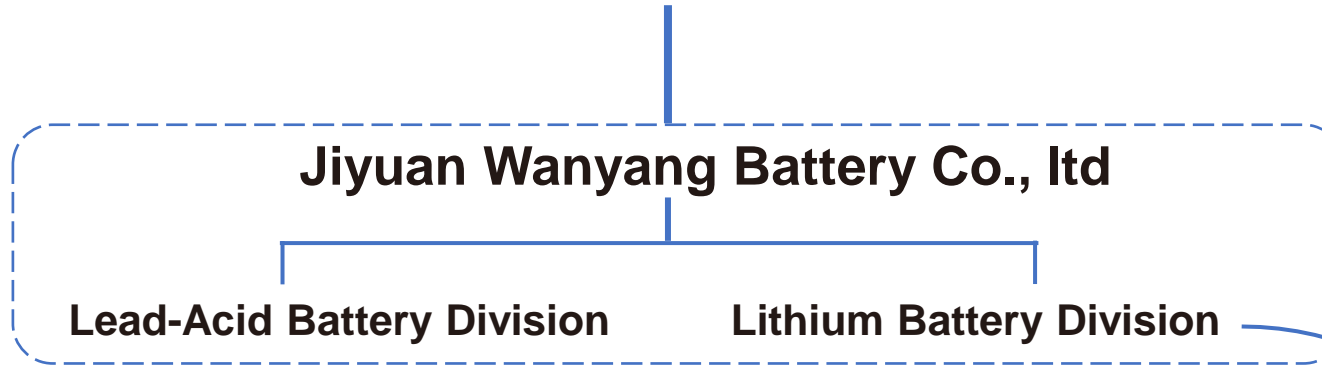
3.354MWh, 5.015MWh





# Henan Vanyo Lithium Battery Technology Co., Ltd.

**Jiyuan Wanyang Smelting (Group) Co., Ltd**



In 2025 Year

**Jiyuan Wanyang Smelting (Group) Co., Ltd**





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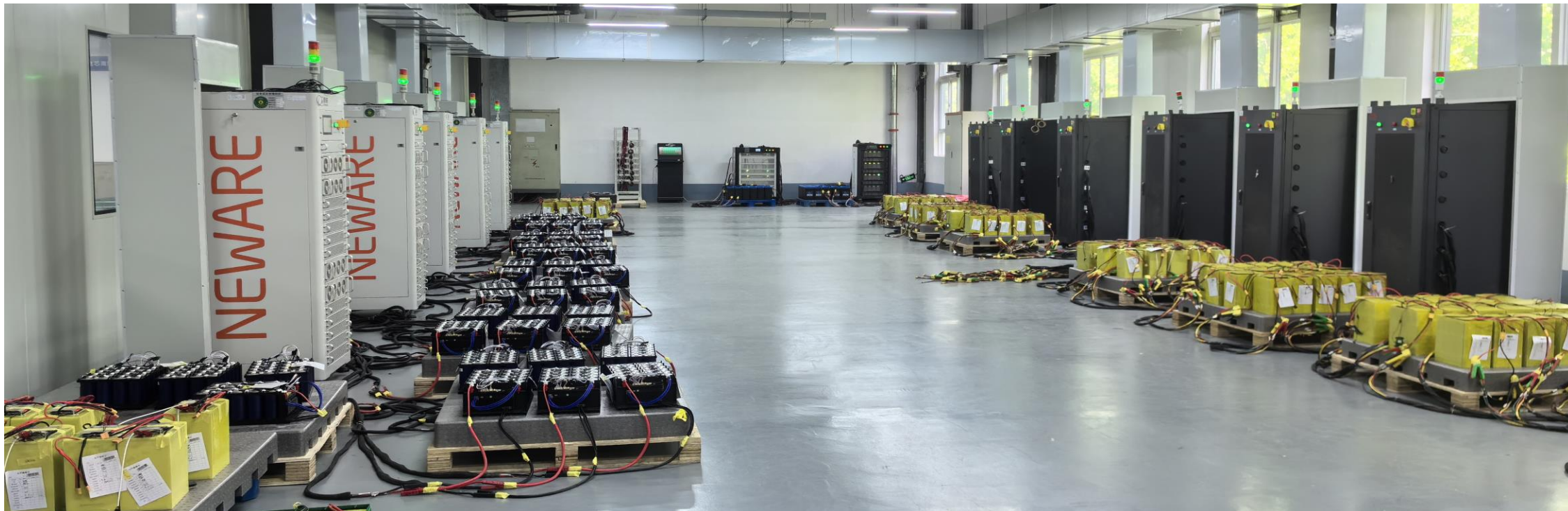
(Vanyo Auto Lithium Battery Energy Storage Production workshop)







# Henan Vanyo Lithium Battery Technology Co., Ltd.







# Henan Vanyo Lithium Battery Technology Co., Ltd.

(Production Testing Center, 24 testing equipments)



Battery Aging Testing

Salt-Spray Testing

Welding Testing

Constant Temperature  
& Pressure Testing

Waterproof  
Testing

Short Circuit  
Testing

Protection Board  
Testing



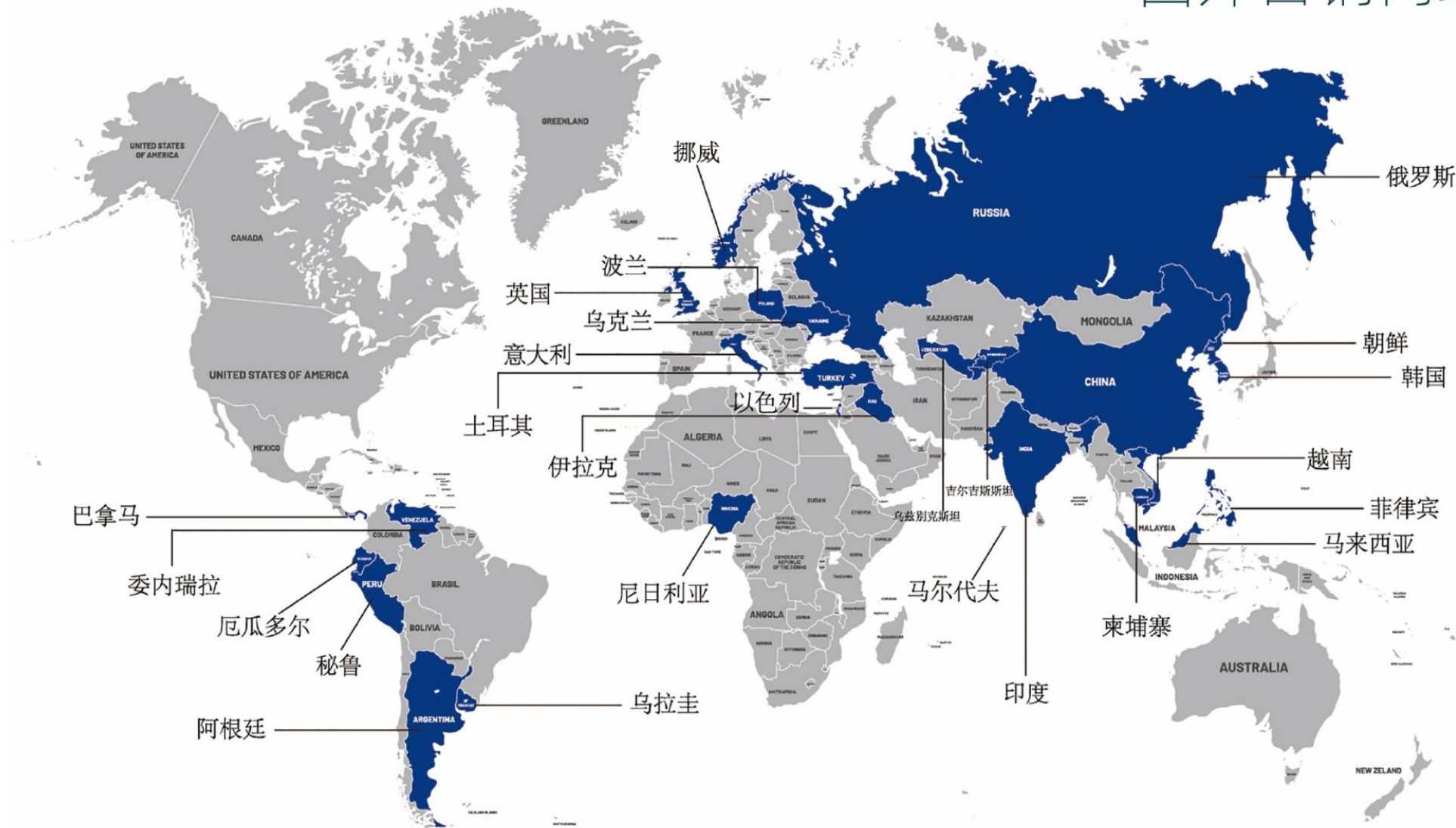




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## Foreign marketing network

国外营销网络





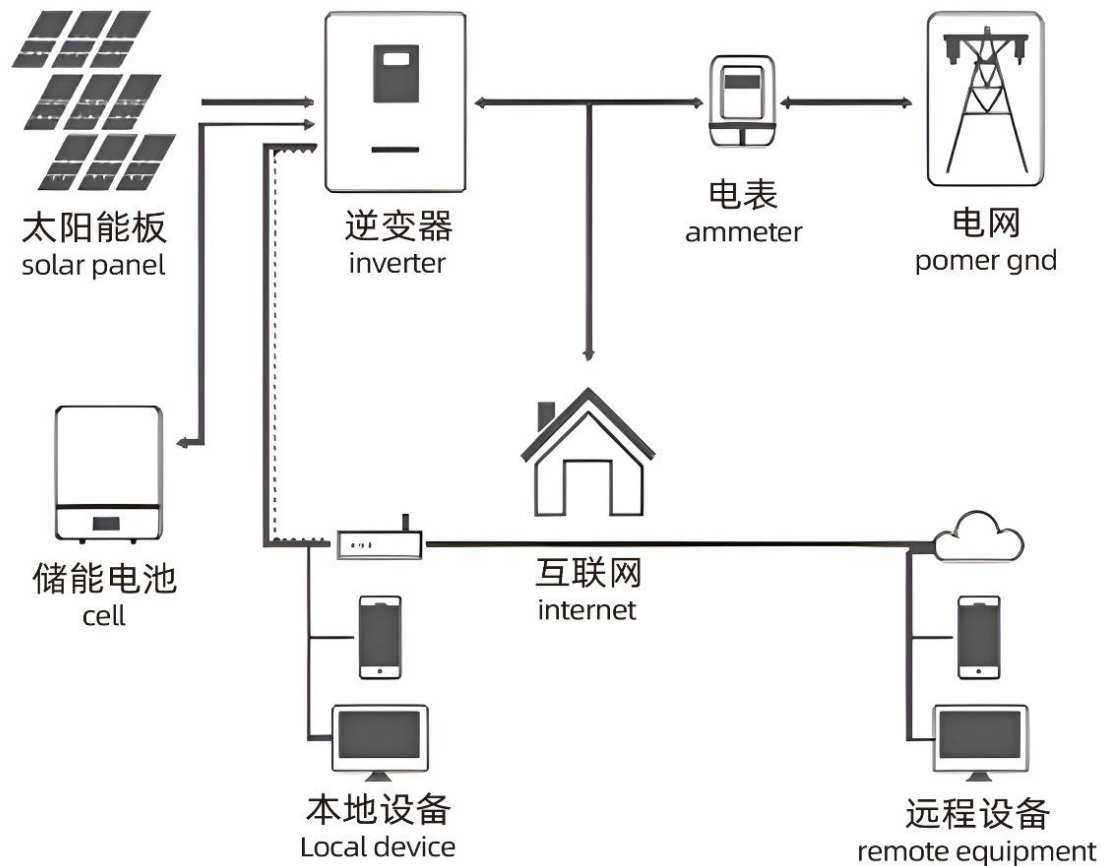
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中国民营企业500强

## Home enery storage battery application system

## 家用储能应用场景示意图



**Africa Nigeria**  
6.2kw/10kwh



**Poland**  
10kw/20kwh



**Pakistan**  
10kw/15kwh



**South Africa**  
15kw/30kwh





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## 3U High Voltage Rack Battery



## 5U High Voltage Rack Battery





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## 储能柜

### ENERGY STORAGE CABINETS

#### 更安全 SAFE

PACK级探测、喷洒，提前预警可燃气体，实现全方位保护BMS、PCS、EMS一体设计

PACK-level detection, spraying, early warning of combustible gas, and all-round protection of BMS, PCS, EMS integrated design

#### 更高效 EFFECTIVE

高效转换 PCS 最大效率 $\geq 98\%$ ，系统运行效率 $\geq 87\%$   
独立单簇电池，无环流，减少电量损耗

Efficient conversion PCS maximum efficiency  $\geq 98\%$ , system operating efficiency  $\geq 87\%$ , Independent single-cluster battery, no circulation, reduce power loss

#### 更可靠 RELIABLE

车规级品质研发，全生命周期运行优化，高效运维技术、系统稳定、可靠运行

Automotive-grade quality research and development, full life cycle operation optimization, efficient operation and maintenance technology, stable and reliable operation of the system

#### 更智能 INTELLIGENT

智能充放电管理，智能预警，提高系统运行安全，可远程维护以及数据策略升级

Intelligent charging and discharging management, intelligent early warning, improve system operation safety, remote maintenance and data strategy upgrade

#### 更便捷 CONVENIENT

支持能量调控策略动态切换，主要用于企业削峰填谷、动态扩容、需量控制等

It supports dynamic switching of energy control strategies, which is mainly used for peak shaving and valley filling, dynamic capacity increase, demand control, etc

#### 更广泛 CONVENIENT

多场景应用，如：商场、企业等，0.25C~0.5C自由组合一体设计高度集成，安装、维护更便捷

Multi-scenario applications, such as: shopping malls, enterprises, etc., 0.25C~0.5C free combination of integrated design is highly integrated, and installation and maintenance are more convenient







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## 集装箱储能柜

CONTAINER ENERGY STORAGE

### 提升能源利用

#### IMPROVE ENERGY USE

利用储能系统充放电特性，实现最大化对新能源的利用率  
调整能源结构，减少对传统能源的依赖

Using the charging and discharging characteristics of the energy storage system, the utilization rate of new energy can be maximized, the energy structure can be adjusted, and the dependence on traditional energy can be reduced

### 减少公网依赖

#### REDUCE DEPENDENCY ON THE INTERNET

集成了自动化、信息化、智能化、互动化等多种新技术，  
优化供电结构，为用户节约电费，并提高供电可靠性和  
供电质量

It integrates a variety of new technologies such as automation, informatization, intelligence, and interactivity, optimizes the power supply structure, saves electricity costs for users, and improves power supply reliability and power supply quality

### 降低用电成本

#### REDUCE THE COST OF ELECTRICITY

主要用于企业削峰填谷、动态扩容、应急供电等

It is mainly used for peak shaving and valley filling, dynamic capacity increase, emergency power supply, etc

### 保障运维安全

#### ENSURE O&M SECURITY

采用智能化能量管理系统EMS，云端数据管理平台，  
具备储能系统运行数据采集分析、集中监测、实时  
控制、智能运维等功能

It adopts intelligent energy management system EMS and cloud data management platform, which has the functions of energy storage system operation data collection and analysis, centralized monitoring, real-time control, intelligent operation and maintenance, etc







## Data Monitoring Platform of Energy Storage (储能数据监控平台)





**告警 ALARM**  
XX故障  
XX fault  
故障位置位于X仓X簇，建议更换电池簇  
The fault location is located in the X compartment X cluster, and it is recommended to replace the battery cluster



**预警 EARLY WARNING**  
XX故障  
XX fault  
请检查采样回路是否接触不良  
Check that the sampling loop is not in good contact



**正常 NORMAL**  
系统实时监控、实时控制、智能运维  
Real-time system monitoring, real-time control, and intelligent O&M



预警提示信息按照紧急程度分为三级告警，便于运维人员识别告警信息与实时监测储能系统数据

The early warning information is divided into three levels of alarms according to the degree of urgency, which is convenient for O&M personnel to identify the alarm information and monitor the energy storage system data in real time





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## 万洋集团储能项目

### WANYANG GROUP ENERGY STORAGE PROJECTS

项目于2023年10月正式运行，自主设计、研发、制造，该项目采用2套500kW/1000kWh 磷酸铁锂智能储能系统，总功率1000kW，储电量2000kWh 日收益1800元。

The project will be officially put into operation in October 2023, with independent design, R&D and manufacturing, and the project adopts two sets of 500kW/1000kWh lithium iron phosphate intelligent energy storage systems, with a total power of 1000kW, a storage capacity of 2000kWh, and a daily income of 1800 yuan.



## 万洋锂电储能项目

### WANYANG LITHIUM BATTERY ENERGY STORAGE PROJECTS

项目同万洋集团项目同时期正式运行，自主设计、研发、制造，该项目采用1套500kW/1000kWh 磷酸铁锂智能储能系统，总功率500kW，储电量1000kWh 日收益900元。

The project is officially operated at the same time as the Wanyang Group project, with independent design, R&D and manufacturing, and the project adopts one set of 500kW/1000kWh lithium iron phosphate intelligent energy storage system, with a total power of 500kW, a storage capacity of 1000kWh, and a daily income of 900 yuan.





## 万洋集团二期储能项目

### WANYANG GROUP PHASE II ENERGY STORAGE PROJECT

万洋集团二期100MWh储能项目，目前该项目设计、研发均已成，正在处于制造阶段，该项目采用30套1.5MW/3.354MWh磷酸铁锂智能储能系统，储电量100062度，预计年收益达2700万元。

The second phase of the 100MWh energy storage project of Wanyang Group, the design, research and development of the project have been completed, and is in the manufacturing stage, the project adopts 30 sets of 1.5MW/3.354MWh lithium iron phosphate intelligent energy storage system, with a 100062 power storage capacity and an estimated annual income of 27 million yuan.



## 金康达实业储能项目

### JINKANGDA INDUSTRIAL ENERGY STORAGE PROJECT

项目采用2套1700kW/3354kWh 磷酸铁锂储能系统，总装机容量6.708MWh，2024年11月20日正式投运。

The project adopts two sets of 1700KW/3354KWh lithium iron phosphate energy storage systems, with a total installed capacity of 6.708MWh. It will be officially put into operation on November 20, 2024.





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## 金风科技储能项目

### GOLDWIND ENERGY STORAGE PROJECT

电网侧配储项目，项目采用24套1700kW/3354kWh 磷酸铁锂智能储能系统，于2024年10月正式运行，总装机容量80.5MWh，主要参与电网调度，实现调峰调频、削峰填谷功能。

The grid-side distribution and storage project, the project adopts 24 sets of 1700kW/3354kWh lithium iron phosphate intelligent energy storage systems, which will be officially put into operation in October 2024, with a total installed capacity of 80.5MWh, mainly participating in power grid dispatching to achieve peak and frequency regulation, peak shaving and valley filling functions.



## 国泰铂固储能项目

### CATHAY PACIFIC PLATINUM SOLID ENERGY STORAGE PROJECT

项目采用9套105kW/232KWh 磷酸铁能储能系统，总装机容量2.088MWh。目前项目正在安装调试，2024年11月10日正式投运。

The project adopts 9 sets of 105KW/232KWh iron phosphate energy storage systems, with a total installed capacity of 2.088MWh. At present, the project is being installed and commissioned, and it will be officially put into operation on November 10, 2024.





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## Micro-Grid Battery Energy Storage

## 微电网储能项目

Chad, Africa

2000kw, 6.6MWh



Henan, China

10MW, 30MWh

