

An aerial photograph showing a row of solar panels in the foreground, a dark paved area in the middle ground, and another row of solar panels in the background. Lush green trees are scattered throughout the scene, particularly on the left and right sides. The overall lighting is bright, suggesting a sunny day.

JDENERGY

JDEnergy

Empower A Better Low Carbon Life

www.jdenenergy.com

Energy storage is the key to achieving the dual carbon goals.

Energy storage is a core enabling technology for building a new-type power system and achieving the dual carbon goals

- **Grid Stabilization:** Enhance the stability of wind, solar, and other renewable energy sources when connected into the grid.
- **Peak Shaving and Frequency Regulation:** Balance power supply and demand while reducing reliance on fossil fuels.
- **Renewable Energy Utilization:** Minimize curtailment of wind and solar energy, increasing the efficiency of green power consumption.

The energy structure is undergoing rapid transformation with the proportion of variable renewable energy generation increasing annually

29%

Around 29% in 2020

60%

Expected to exceed 60% by 2030

90%

Approaching 90% by 2050

Singularity in the Origin of Time and Space

Dedicated to Solving the Imbalanced Temporal and
Spatial Distribution of Clean Energy by the Energy Storage Technology

Contributing Industry-leading Energy Solutions
for Sustainable Human Development



DISTRIBUTED ENERGY STORAGE LEADER

2018-2020

Laying the Foundation

- JDEnergy Startup
- The founding team was built
- The direction of the distributed energy storage has been set
- Angel Round Financing was obtained

2021-2022

Shaping the Edge

- World's first launch of distributed eBlock smart energy storage system
- The first grid-side energy storage flagship project of eBlock was connected to the grid
- The first 100-grade MWh shared energy storage station project was signed
- The A round financing worth RMB 300 million was completed
- The A+ round financing was completed
- eMind2000 cloud platform was launched
- New products eBlock372, eBlock200 were released

2023-2024

Leading the Industry

- No.1 in C&I Energy Storage Shipments in 2023
- No.1 in C&I Energy Storage Shipments in 2024
- Completed B round financing worth nearly RMB 800 million
- Completed C round financing of RMB 300 Million
- New products including eBlock418, eBlock745, eBlock230 were released.
- New products including eBlock100C, eBlock261, eBlock836, eStation-HV35-5160 were released.
- Delivered first overseas C&I energy storage project
- Delivered the world's largest string energy storage solution
- Delivered world's largest grid-side distributed modular energy storage power station

2025-

Empowering the Future

- Delivered its first GWh-scale project – Inner Mongolia Dengkou Project
- Launched the eTrader Intelligent Power Trading and Operation Platform
- Certified as a National Green Factory and National SRUI Enterprise
- Ranked among the "Top 10 Energy Storage Technology Innovation Leaders 2025"
- Released new products: Galaxy 1 and eStation MV-6880
- eBlock-418, eBlock-100C, and eBlock-250 certified under UL 9540A; eBlock-418 and eBlock-250 certified under IEC 62933-5-2
- Consecutively named as a BNEF Tier 1 Energy Storage Manufacturer

EMPOWERING THE FUTURE WITH INTELLIGENCE AND INNOVATION



BloombergNEF Tier1
Global Energy Storage
Manufacturer



China's No.1 energy storage system
integrators in terms of shipment volume on
user-side in 2023 & 2024

10GWh

Cumulative
installed capacity

2000+

C&I sites
Delivered

30000+

eBlocks
Delivered

200+

Industries
Served

High-tech Enterprise

—Shaanxi Provincial Department of
Science and Technology

National Green Factory

—Ministry of Industry and
Information Technology

National SRUI Enterprise

—Shaanxi Provincial Department of
Industry and Information Technology

* Statistics updated as of Feb. 2026



CAPITAL TRUST AND WIN-WIN COOPERATION

Guided by a concept of win-win cooperation, JD Energy fosters an open cooperation ecosystem, collaborating closely with strategic partners worldwide.

From technology R&D to market application, project investment to operational services, every link strives for deep integration to jointly explore the limitless possibilities of the energy sector. Through resource sharing and complementary advantages, JD Energy and its partners are advancing the optimization and upgrading of the global energy structure at an unprecedented speed and efficiency, leading the industry towards a cleaner, lower-carbon future.



IDG 资本
IDG Capital Partners



MEGMEET
麦格米特

CIMC 中集



LEADING SCIENTIFIC AND TECHNOLOGICAL INNOVATION

JDEnergy pioneered the integration of 3S control and protection by combining the BMS, PCS, and EMS into a single standardized cabinet. This innovation enhances control accuracy and response speed, eliminating blind spots and achieving an optimal balance of safety and cost-efficiency.

Supported by strong R&D capabilities, JDEnergy has assembled a team of over **180** experts, led by industry authorities and backed by Xi'an Jiaotong University. To date, the company has invested **297** million RMB in R&D (**7%** of revenue) and holds **233** patents, including **111** invention patents.



Cell-level Management

- Monitor individual cell voltage, current, and temperature
- Manage battery over-voltage and under-voltage
- Manage battery over-temperature and low-temperature



System-level Control

- Identify system state information such as SOC (State of Charge) and SOE (State of Energy)
- Monitor battery system and perform cell balancing
- Execute system energy dispatch and strategy control

* Statistics updated as of Feb. 2026.

ENERGY ENGINE LABORATORY

As a pioneer in the global energy transition, JDEnergy's Energy Engine Laboratory, established in 2019, has been at the forefront of energy storage system innovation. It has developed a physical-digital twin testing platform that deeply integrates full-stack digital simulation with physical validation. This enables an intelligent verification system covering the entire lifecycle from cell, module, system to application scenarios, providing critical support for next-generation energy storage technologies. JDEnergy's products have successfully obtained multiple authoritative domestic and international certifications, including IEC 61000, IEC 62477, IEC 62619, VDE 4110, IEC 60730, and GB/T 34120.

Seven Core Functional Modules Covered by the Laboratory

- Digital Grid and System Control Testing Zone
- Battery Testing Zone
- C&I source-side Testing Zone
- PV-storage Testing Zone
- PCS Testing Zone
- EMC Testing Zone
- Environmental Testing Zone

CORE TECHNOLOGY



Multi-Level Battery Validation System

An integrated testing framework covering cell, PACK, and BMS levels to ensure the overall performance of battery systems meets industry-leading standards.



Scenario-Based Energy Storage System Evaluation

Through the BLM test matrix built with eBlock, eLink, and eMind, the platform delivers comprehensive evaluations of safety and cost-effectiveness for energy storage systems in complex engineering environments.



In-Depth Power Electronics Validation

Utilizing high-precision grid simulation systems to enable full-performance testing across all operating scenarios, safeguarding efficient power conversion in energy storage systems.



Digital Twin-Based Grid Simulation

By leveraging digital twin models, the platform significantly shortens R&D cycles, reduces testing risks, and accelerates the digital transformation of energy storage system development.



SOURCE SIDE SOLUTION



Source
side

■ Source Side Solution

Source side: Through efficient energy storage and power dispatching, optimizing the power generation output curve, reducing the wind and solar power curtailment of new energy sources, increasing the proportion of renewable energy generation, and simultaneously offering system inertia control and peak shaving/frequency regulation functions, optimizing the energy structure.

Grid side: Empowering smart load management for the grid, adjusting peak shaving and frequency regulation based on the grid load conditions, while ensuring stable operation of transmission and distribution equipment, accommodating more renewable energy, and providing robust support for the transmission of new power systems

■ Advantages of Source-Grid Side Solutions

Primary and secondary frequency regulation
high and low voltage ride-through
AGC/AVC scheduling and inertia control

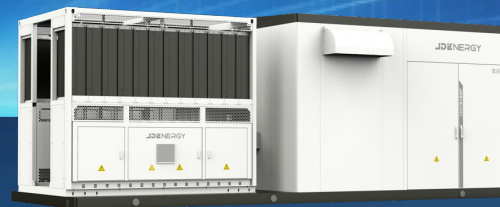
The battery system rapidly responds to grid
frequency regulation commands with a
response time of less than 50ms

Customized comprehensive energy
solutions tailored to scenarios, fully
addressing the demands of customers on
source-grid side

■ Source-Grid Side Products



eBlock 418



eStation HV35-5160



Galaxy 1

USER SIDE MEDIUM-VOLTAGE SOLUTION



user
side

■ User Side Medium-Voltage Solution

For medium-voltage commercial and industrial parks, the energy storage system enables large-scale peak-valley arbitrage and demand management through high-power charge and discharge capabilities. The system connects directly to the user's main distribution network, supporting real-time and time-of-use price responses. During grid peak periods, it releases stored energy to reduce transformer capacity costs while rapidly responding to regional frequency regulation demands.

Integrated with an EMS energy management system, it can seamlessly interface with virtual power plant (VPP) platforms to participate in energy trading. Meanwhile, it provides millisecond-level backup power for high-reliability power consumption scenarios such as data centers and precision manufacturing, significantly enhancing power supply continuity and accelerating enterprise low-carbon transformation.

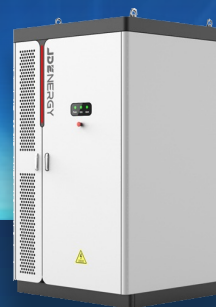
■ Advantages of User Side Medium-Voltage Solution

Built-in diversified energy storage system applications, including peak shaving and valley filling, demand control and others

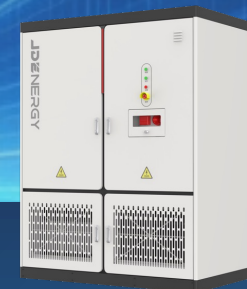
Cloud-based AI intelligent control, multi-energy complementarity, comprehensively reducing customer electricity costs

With the support of eMind, it supports remote monitoring via APP

■ User Side Medium-Voltage Products



eBlock 418



eBlock 522



Galaxy 1

USER SIDE LOW-VOLTAGE SOLUTION



user
side

■ User Side Low-Voltage Solution

For low-voltage C&I scenarios, the energy storage system enables refined power management through intelligent control terminals. During the day, it leverages PV generation and energy storage for peak shaving and valley filling, while at night it charges at off-peak rates to support daytime production, effectively reducing overall electricity costs. The system automatically monitors load peaks and dynamically suppresses demand charges, while providing 2-4 hours of emergency backup power for critical loads when needed.

With its modular design, the system can be flexibly adapted to applications such as solar-storage-charging integrated parking lots and backup power for 5G base stations. By aggregating massive distributed resources, it also participates in virtual power plant (VPP) scheduling, unlocking additional value from user-side energy assets.

■ Advantages of User Side Low-Voltage Solution

Flexible multi-cabinet expansion with modular design, adaptable to diverse scenarios such as community charging stations and small-to-medium C&I applications.

The intelligent control terminal enables dynamic demand management, automatically suppressing load peaks and reducing overall electricity costs.

With the support of eMind, it supports remote monitoring via APP.

■ User Side Low-Voltage Products

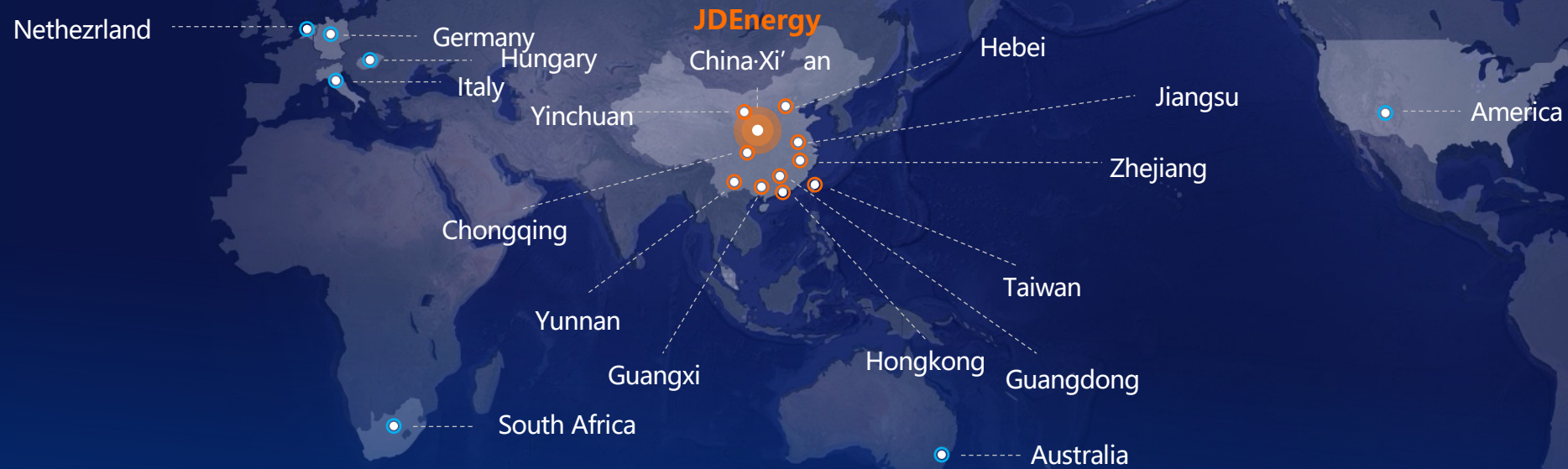


eBlock 100C



eBlock 261

GLOBAL PRESENCE



JDENERGY Headquarter • China·Xi'an

- China:** • Yinchuan • Chongqing • Yunnan • Guangxi • Guangdong • Zhejiang • Jiangsu • Hebei • Hongkong • Taiwan
- Overseas :** • America • Nethezrland • Italy • Germany • Hungary • Australia • South Africa

CASE REFERENCE Source / Grid-side

≥ 7GWh

Total Installed Capacity

2000MWh

Largest Single Project Capacity



Inner Mongolia Dengkou 500MW/2000MWh Energy Storage Project



Ningxia Hanjun 150 MW | 600 MWh Energy Storage Project



CNNC Lin Xiang 200MW/400MWh Energy Storage Power Station



Ningxia Huayan Substation 200MW/400MWh Energy Storage Power Station



Niushoushan 200MW/400MWh Energy Storage Power Station Project



Guangxi Guigang 144MW/ 288MWh Energy Storage Station Project



Gansu Jiuquan 450MW Energy Storage Project



Zhendong Electrochemical 100MW | 200 MWh Energy Storage Project

CASE REFERENCE User-side

≥ 3GWh

Total Installed Capacity

2000+

C&I Sites Delivered

200+

Served Industries



Jinxi New Energy User-side 60MW/120MWh Energy Storage Project



Hengyi Petrochemical 33.5 MW | 67 MWh Energy Storage Project



Shenzhen Chiwan port 16 MW/60 MWh Energy Storage Demonstration Project



Jiangsu Huai'an Industrial and Commercial 25 MW | 50 MWh Energy Storage Project



Zhejiang Jinsheng Holding Group Co., Ltd. 11MW/22MWh Energy Storage Power Station



Hungary Industrial and Commercial 6MW/12MWh Energy Storage Project



Hefei TCL Home Appliances 10MW/20MWh Energy Storage Station



Tongwei Yancheng 10MW/20MWh Energy Storage Station

JDEENERGY 奇点能源

**Reliable Clean Power
for everyone**



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