

GTM6Z

Molded Case DC Circuit Breaker

More reliable power supply
More secure power protection



JUBANG GROUP CO., LTD.

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⚠️ Specifications are subject to change without prior notice.
The company reserves the right of final interpretation.



Committed to becoming a
leader in power system solutions

ONE-STOP PRODUCTS EPC FOR POWER PROJECTS SMART O&M



Mission

More Reliable Power Supply · Safer Power Protection



Vision

Set the industry benchmark for power distribution equipment and jointly build a smart energy ecosystem



Core Values

Integrity · Diligence · Responsibility · Respect · Trust



Company Profile

Jubang Group Co., Ltd. is a provider of one-stop products + power EPC services + smart O&M power system solutions. Founded in 1993, the company has a registered capital of RMB 137.17 million. Its manufacturing base covers an area of 5.58 hectares, with 135,000 m² of standard workshops. The product portfolio includes intelligent complete switchgear, primary and secondary integrated equipment, distribution transformers, box-type substations, and power components.

In recent years, the company has continuously enhanced its capabilities in technology, branding, marketing, intelligent manufacturing, and services, and has become a qualified supplier to State Grid Corporation of China, China Southern Power Grid, PetroChina Company Limited, Inner Mongolia Power (Group) Co., Ltd., China Three Gorges Corporation, China Gezhouba Group, China Gold Group, Inner Mongolia Yitai Group, and other large enterprises.

The company has established industry-university-research cooperation with Zhejiang University, North China Electric Power University, Northeast Electric Power University, China Electric Power Research Institute, Shanghai Electrical Apparatus Research Institute, Hebei University of Technology, Hangzhou Dianzi University, and other institutions. It has obtained a total of 160 valid patents, including 35 invention patents, 45 software copyrights, and 11 provincial- and ministerial-level science and technology progress awards, and has participated in the formulation of 25 national and industry standards.

Jubang Group has been recognized as a National High-Tech Enterprise, a CNAS-accredited National Laboratory, a National Intellectual Property Advantage Enterprise, a “Little Giant” enterprise specializing in innovation by the Ministry of Industry and Information Technology, a National Postdoctoral Research Workstation, a National Green Factory, a Zhejiang Provincial Contract-Honoring and Creditworthy Enterprise, a Zhejiang Provincial Service-Oriented Manufacturing Demonstration Enterprise, a Zhejiang Provincial “Hidden Champion” Enterprise, a Zhejiang Provincial Industrial Internet Platform, a Zhejiang Provincial Green Low-Carbon Factory, a Zhejiang Provincial Specialized and New Enterprise, and a Zhejiang Provincial Third-Level Cloud Enterprise. The company holds Grade II qualification for power engineering construction general contracting, and holds, undertakes, and trials Grade III power business licenses.

1993

Founded

6⁺

R&D platforms

11⁺

National-level honors

5⁺

Cooperation with Fortune Global 500 enterprises

4

National wholly owned subsidiaries

35⁺

Over 35 offices nationwide

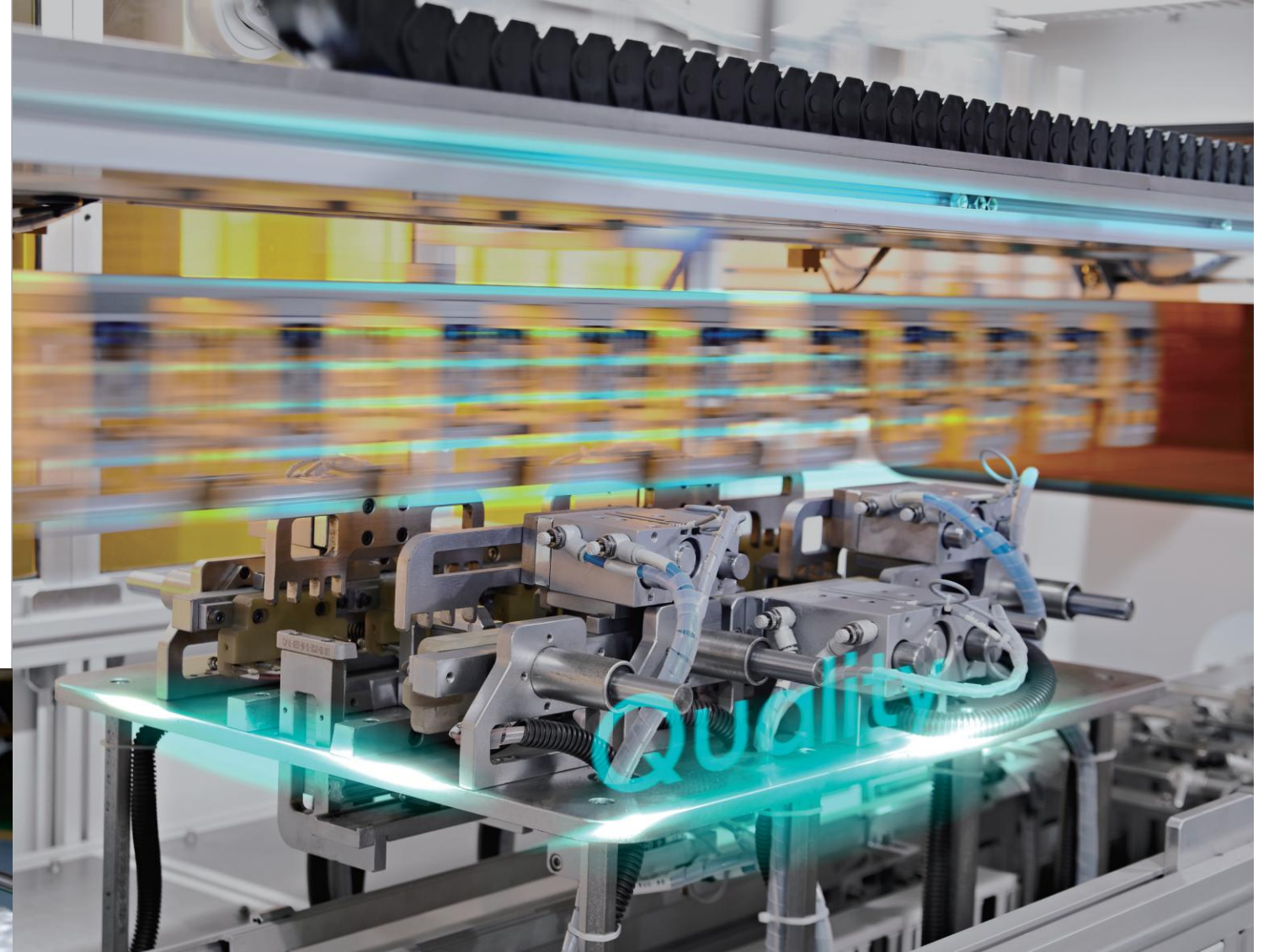
Craftsmanship Creates Excellence Dedicated Craftsmanship, Customer-Centric

Zhejiang Jubang Electric Co., Ltd. has always adhered to the principle of customer satisfaction as the top priority, implementing strict quality control standards. From raw material procurement to finished product delivery, the entire process is strictly supervised. With customer demand as the core, the company achieves defect-free design and manufacturing, using quality to support and enhance Jubang's value.



Precision Quality Control

Strictly complies with ISO9001 Quality Management System certification, ISO14001 Environmental Management System certification, and ISO45001 Occupational Health and Safety Management System. Raw material entry, processing, assembly, commissioning, inspection, and finished product delivery are all strictly regulated. Regular quality training is conducted for employees, and an information-based quality supervision system is established to ensure excellent product performance and high reliability.



Intelligent Manufacturing for Superior Quality

Continuously introducing advanced manufacturing processes, production equipment, and testing equipment, and consistently improving component quality through refined technology. By optimizing and refining production process design, enhancing flexible control of the manufacturing process, and effectively utilizing process flow cards, dedicated testing tools, and production equipment—combined with product traceability systems—the integrity of product manufacturing and usage is ensured.

Jubang Precision Testing

Zhejiang Jubang Electric Co., Ltd. always places great importance on product reliability and safety. Equipped with comprehensive performance testing and environmental testing equipment, the company conducts reliability tests under various extreme conditions to ensure stable product performance in all complex environments.

Corporate Honors

160⁺

Valid Patents

120⁺

Provincial-Level
Products

45⁺

Software
Copyrights

25⁺

Participation
in National



High-Tech Enterprise



National Patent Product



World-Class Quality
Made in Zhejiang



Zhejiang Famous
Brand Product



National Spark
Plan Project



Science and Technology
Progress Award



Specialized, Refined,
Characteristic



Carbon Footprint

National-Level Honors

- MIIT Specialized, Refined, Distinctive, and Innovative “Little Giant” Enterprise for High-Quality Development Support
- National Green Factory
- MIIT Specialized, Refined, Distinctive, and Innovative “Little Giant” Enterprise for High-Quality Development Support
- National Postdoctoral Research Workstation
- National High-Tech Enterprise
- National Intellectual Property Demonstration Enterprise
- National Intellectual Property Advantage Enterprise
- National Contract-Abiding and Creditworthy Enterprise
- National Model Employer of Harmonious Labor Relations
- CNAS Nationally Accredited Laboratory
- National Green Product

Provincial-Level Honors

- Zhejiang Provincial Hidden Champion Enterprise
- Zhejiang Jubang Electric Appliance Research Institute
- Zhejiang Provincial Enterprise Technology Center
- Zhejiang Provincial Industrial Design Center
- Zhejiang Provincial High-Tech Enterprise R&D Center
- Zhejiang Manufacturing Single Champion Cultivation Enterprise
- Zhejiang Specialized, Refined, Distinctive, and Innovative SME
- Zhejiang Green Low-Carbon Factory
- Zhejiang Provincial Intellectual Property Demonstration Enterprise
- Zhejiang Service-Oriented Manufacturing Demonstration Enterprise
- Zhejiang Third-Batch Cloud-Based Enterprise
- Zhejiang Provincial Industrial Internet Platform
- Zhejiang Provincial Software Copyright Product
- Zhejiang Provincial Credit Management Demonstration Enterprise
- Zhejiang Provincial Supply Chain Innovation and Application Demonstration Enterprise
- Zhejiang Second-Batch Digital Economy “Morning Star” Pilot Enterprise
- Zhejiang Provincial Second-Batch Intelligent Manufacturing Demonstration Enterprise
- Zhejiang Demonstration Enterprise for New Areas of Industrial Integration
- Zhejiang Manufacturing Certification Enterprise
- Zhejiang Provincial Enterprise with Outstanding Achievements in Clean Production (Phased)
- Zhejiang Provincial Technology-Based SME
- Zhejiang Provincial Trademark Brand Demonstration Enterprise
- Zhejiang Provincial Innovation Demonstration Enterprise

Municipal-Level Honors

- Yueqing Manufacturing Industry Top 32 Enterprises
- Wenzhou Model Enterprise Group
- Wenzhou Civilized Unit
- Wenzhou Credit Management Demonstration Enterprise
- Wenzhou High and Low Voltage Electrical Technician Training Center
- Yueqing Mayor’s Quality Award
- Yueqing “Zero-Carbon Factory” Innovation Demonstration Enterprise
- Yueqing High-Skilled Talent Public Training Base Enterprise

Science & Innovation Platforms

- National Postdoctoral Research Workstation
- Zhejiang Jubang Electric Appliance Research Institute
- Zhejiang Provincial Enterprise Technology Center
- Zhejiang Provincial Industrial Design Center
- Zhejiang Provincial High-Tech Enterprise R&D Center
- North China Electric Power University
- Northeast Electric Power University
- Nanjing University of Aeronautics and Astronautics
- Zhejiang University
- Hebei University of Science and Technology
- Hangzhou Dianzi University
- Shanghai University of Engineering Science
- Wenzhou Polytechnic
- China Electric Power Research Institute
- Shanghai Electrical Apparatus Research Institute

Scientific Research Achievements

- First Prize of China Commercial Federation Science and Technology Progress Award
- Second and Third Prizes of Zhejiang Provincial Science and Technology Progress Award
- Second Prize of Zhejiang Provincial Fire Protection Science and Technology Innovation Award
- Second Prize of China Federation of Industry and Commerce Science and Technology Progress Award
- National Specialized, Refined, and Innovative SME Technology Innovation Project
- National Spark Program Project
- National Torch Program Project
- China Industry-Academia-Research Cooperation Innovation Achievement Award
- Power Industry Major Technical Equipment and Project Catalog
- Excellence Award for Participation in Standardization of the National Low-Voltage Electrical Standardization Technical Committee
- Second and Third Prizes of Zhejiang Machinery Industry Science and Technology Award
- Second and Third Prizes of Zhejiang Power Transmission and Transformation Equipment Industry Association Outstanding Product Award
- Zhejiang Provincial Excellent Industrial Product
- Zhejiang Manufacturing Premium Product
- Zhejiang Energy-Saving New Product Catalog
- Second Prize of Wenzhou Science and Technology Progress Award
- Outstanding Standardized Technology Achievement Award of Wenzhou Quality and Technology Promotion Association
- Wenzhou First-Set (Suite) Equipment in Key Areas of Equipment Manufacturing

Social Responsibility

- Standing Director of China Electricity Enterprise Federation
- Vice Chairman of China Electrical Equipment Industry Association (High Voltage Switchgear Branch)
- Director of National Low-Voltage Electrical Standardization Technical Committee (SAC/TC189)
- Director of National Low-Voltage Complete Switchgear and Control Equipment Standardization Technical Committee (SAC/TC266)

Strategic Partners

Centered on enhancing customer experience through meeting personalized needs, we deliver 360° all-round product and service standards, providing comprehensive pre-sales and after-sales support. Anytime, anywhere, whenever you have a requirement, we are committed to fully meeting your needs.



Intelligent Power Distribution System



中国铁建



中航工业



青藏铁路



平高集团
PINGGAO GROUP



火箭军



中国中铁
CREC



中国港湾
CHINA HARBOUR



南京航空航天大学
Nanjing University of Aeronautics and Astronautics



Power Grid System



国家电网
STATE GRID



中国南方电网
CHINA SOUTHERN POWER GRID



柳电国际
CHENDIAN INTERNATIONAL



内蒙古电力(集团)有限责任公司
INNER MONGOLIA POWER (GROUP) CO.,LTD



山西地方电力有限公司
SHANXI LOCAL ELECTRIC POWER CO.,LTD



Oil & Gas Industry



中国石油



华峰



兰太实业
LANTAI INDUSTRY



赛科 SECCO



CNSG
中盐集团



1 Hour
Rapid Response



24 Hours
Customer Demand Response



12 Hours
Engineers On-Site



360°
One-Stop Solution



Steel, Metallurgy & Mining Industry



福建三钢



湖北新冶钢



中钢集团



伊泰



中国黄金
China Gold



青拓集团
TSINGTU GROUP



晋能控股煤业集团
JINENG HOLDING COAL INDUSTRY GROUP



中国煤炭科工集团



淮北矿业



Huaiyan 淮南矿业



New Energy Power Industry



国家电投
SPIC



CHINA TOWER
中国铁塔



中国大唐集团公司
China Datang Corporation



中国三峡
China Three Gorges Corporation



甘肃省景泰川电力提灌管理局

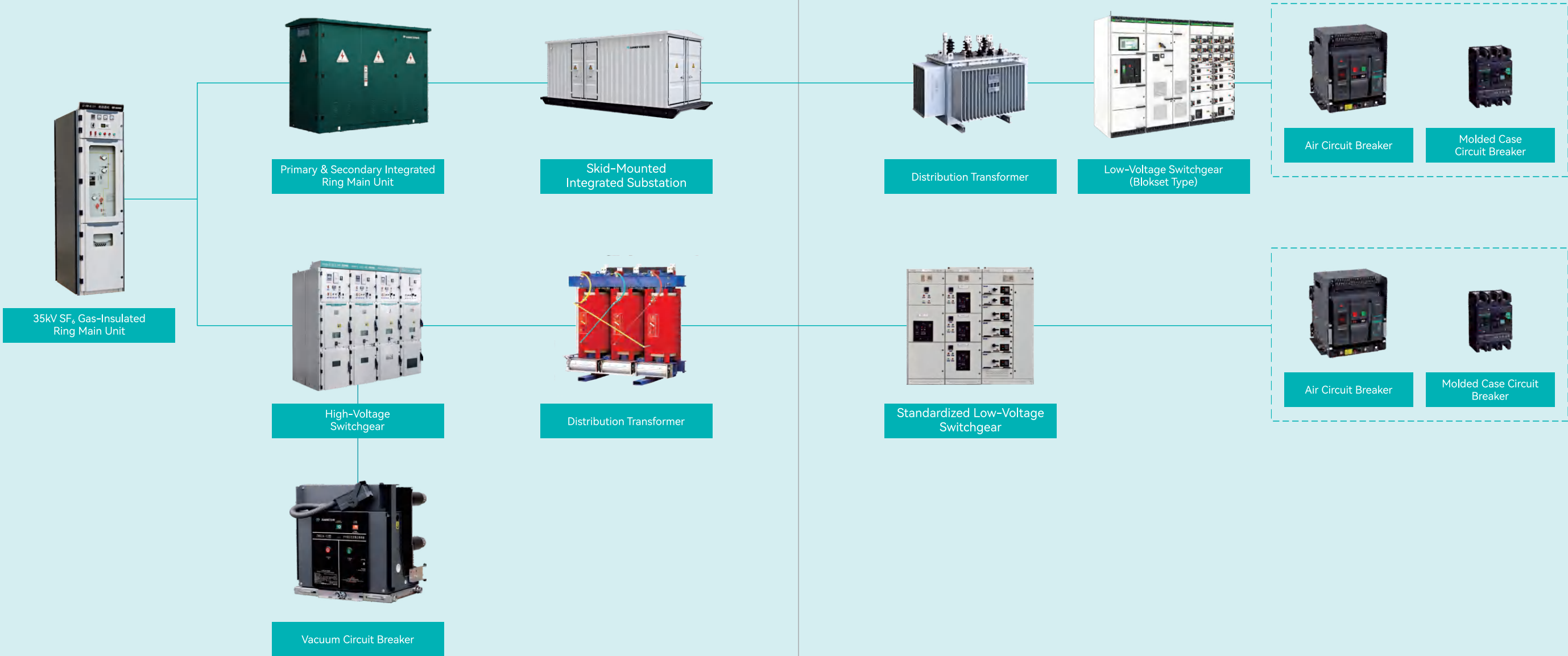
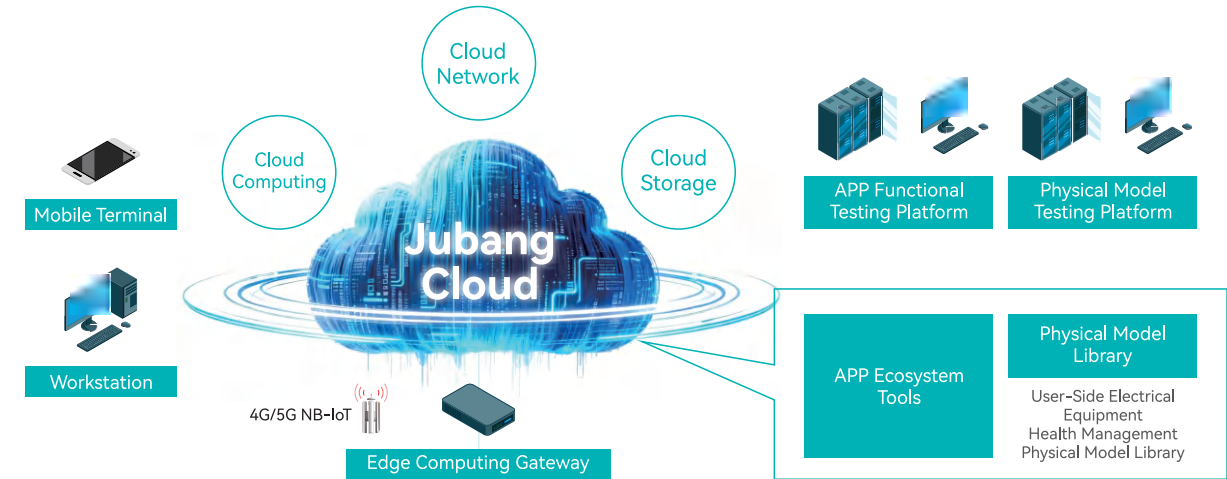


中国葛洲坝集团
CHINA GEZHOUBA GROUP

Intelligent Electrical System

Jubang Group specializes in the manufacturing of power distribution equipment up to 35 kV and below, with a complete industrial chain covering intelligent complete switchgear, primary–secondary integrated products, distribution transformers, box-type substations, and electrical components.

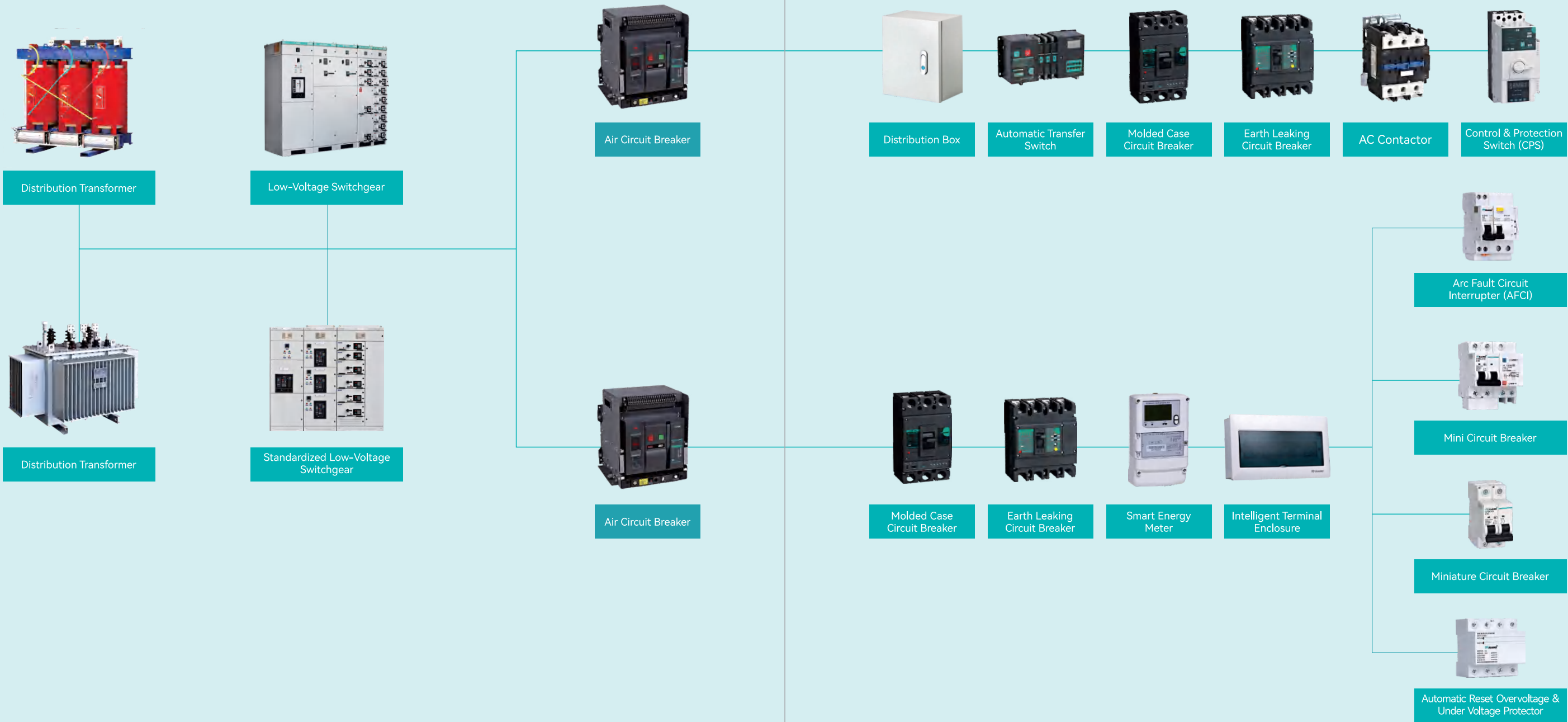
The cloud platform, a flagship product of the company’s digital transformation, has been recognized as a provincial-level industrial internet platform. It integrates six core management modules—real-time monitoring, operation & maintenance management, energy management, health management, asset management, and electronic archives—and is deeply integrated with equipment to deliver comprehensive intelligent electrical system solutions.



Industrial & Civil Construction Industry Solutions

With the rapid development of the social economy, in addition to ensuring reliable power supply, energy conservation and environmental protection are increasingly emphasized. Jubang leverages its advanced intelligent cloud platform, integrating self-developed air-insulated switchgear, prefabricated low-voltage distribution equipment, intelligent circuit breakers, dual-power automatic transfer switches, and other product series.

Through real-time monitoring of power equipment operating status, maintenance costs are effectively reduced, delivering digital and intelligent solutions for industrial and civil construction sectors. Typical applications include high-rise residential communities, training bases for aviation and navigation, Geely Innovation Headquarters Building, Pinghai Ocean Science and Technology Cultural Center, and Zhongshan Power Supply Projects, among others.

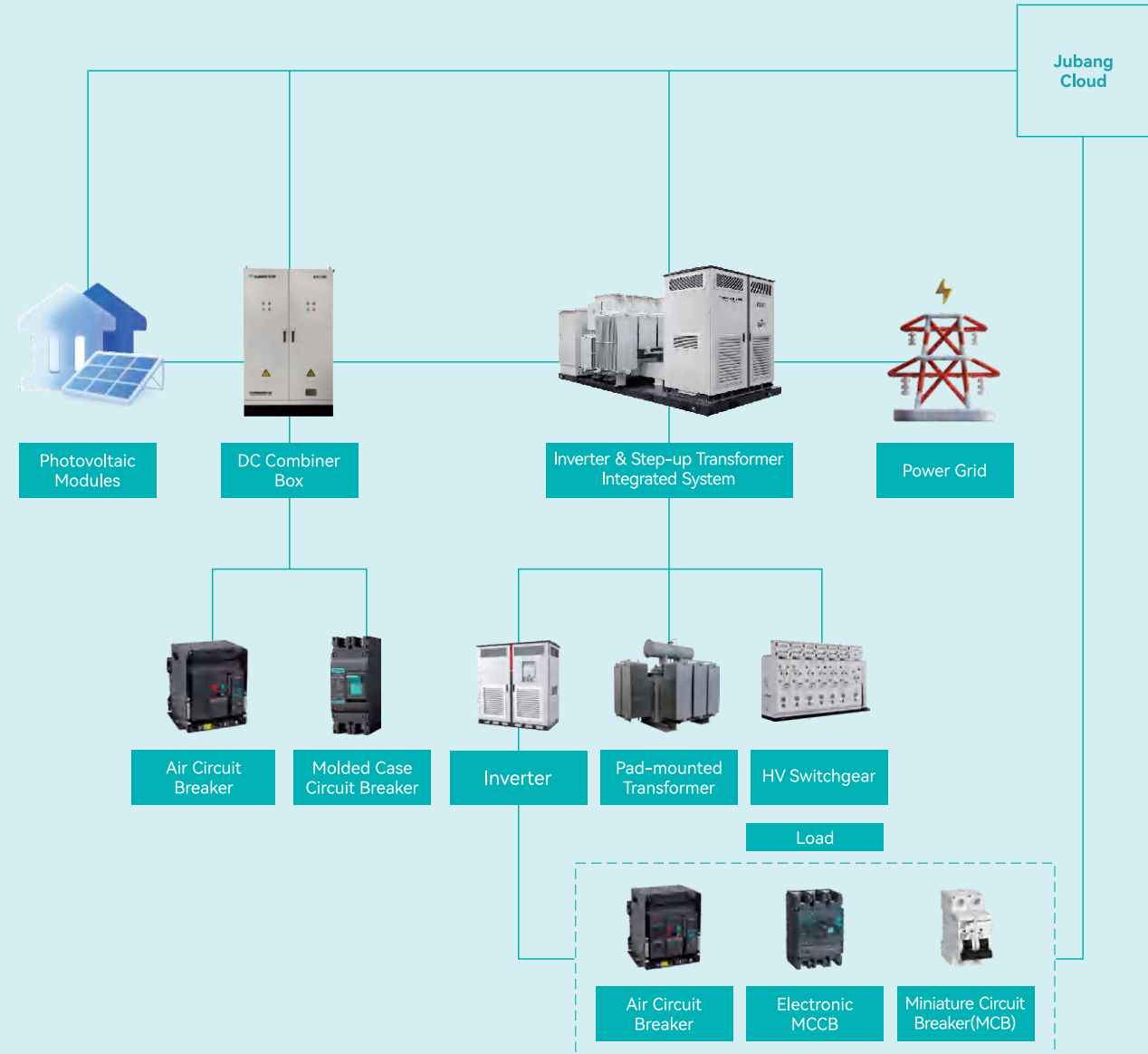


Energy Industry Solutions

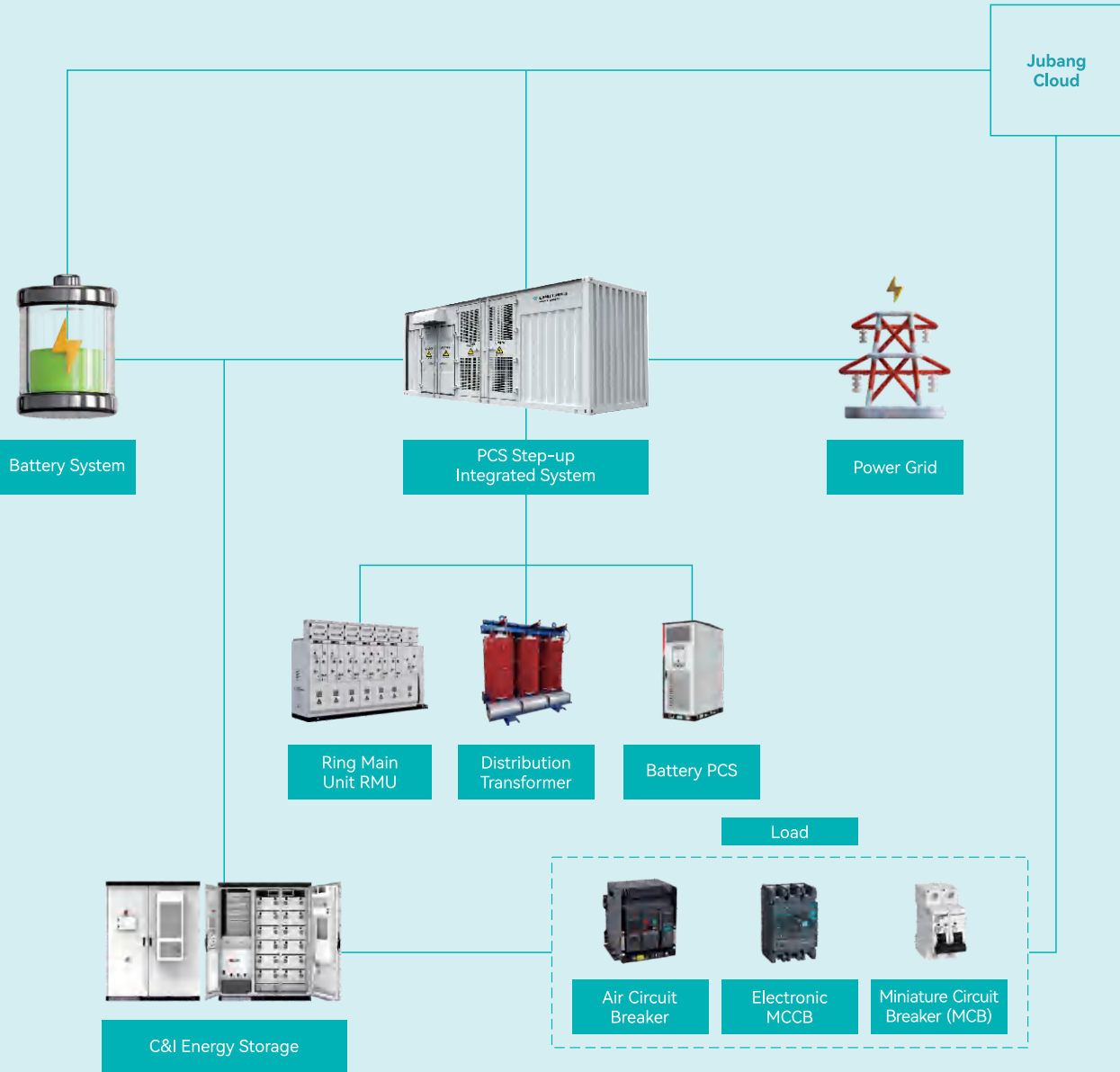
In response to national “dual-carbon” policies, Jubang integrates intelligent process monitoring and control technologies with independently developed oil-immersed transformers, dry-type transformers, DC circuit breakers, AC circuit breakers, and dual-power automatic transfer switches.

While ensuring efficient energy utilization, these solutions improve power supply reliability, reduce maintenance costs, and enhance user safety, delivering intelligent solutions for the new energy sector.

Photovoltaic Power Generation System Solutions



Energy Storage System Solution



GTM6Z

Molded Case DC Circuit Break

-  Compact size
-  High breaking capacity
-  Arc-free (No arcing)
-  Low temperature rise



1 Product Features

- 2 poles (non-polarity)**
Can be wired from either the top or bottom, convenient for user installation.
- High voltage**
Rated operating voltage: DC 1500 V.
- Compact size**
New design, simple and compact structure, high space utilization.
- High breaking capacity, arc-free, low temperature rise, reliable interruption of near DC load currents**
- Has the capability to break through single-pole short circuits at full voltage**

2 Product Model and Designation

GT	M	6	Z	-	630
↓	↓	↓	↓		↓
Enterprise Code	Product Code	Design Code	Derivative Code		Frame Size Rating
JUBANG	Molded Case Circuit Breaker	6	Z: DC Circuit Breaker		400: 400A 630: 630A
M	/	2	3		
↓	↓		↓		
Breaking Capacity	Number of Poles	Tripping Method			
L M	2: Two poles	2: Electromagnetic type 3: Thermal-magnetic type			
10		630A		Z	
↓		↓		↓	
Internal Accessories		Rated Current		External Accessories	
00: No accessories 08: Alarm contact 10: Shunt trip 20: Auxiliary contact 40: Shunt trip + auxiliary contact 60: Double auxiliary contact 18: Shunt trip + alarm contact 28: Auxiliary contact + alarm contact 48: Shunt trip + auxiliary contact + alarm contact 68: Double auxiliary contact + alarm contact		400: 63A, 80A, 100A, 125A, 140A, 160A, 180A, 200A, 225A, 250A, 320A, 350A, 400A 630: 250A, 300A, 350A, 400A, 450A, 500A, 550A, 630A		Standard: Direct operation (no marking) Z: Manual operating mechanism	

Notes:

1.For breaking capacity, refer to the detailed technical parameter table.

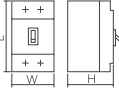
2.The shunt trip and double auxiliary contact cannot be installed simultaneously.

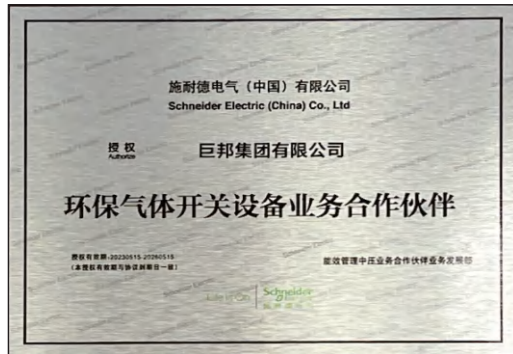
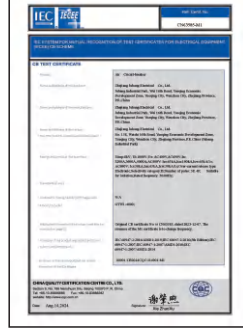
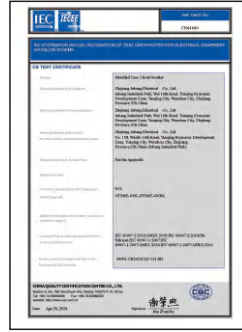
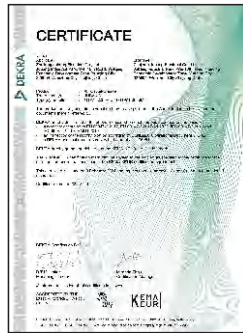
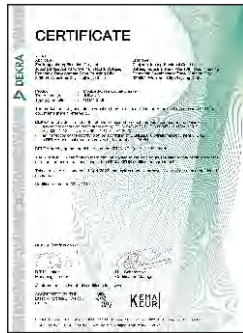
3.The breaking capacity and tripping method codes apply only to GTM6Z products.



3 Main Technical Parameters Table

Main Technical Parameters of GTM6Z Molded Case DC Circuit Breaker

Model	Unit	GTM6Z-400L	GTM6Z-400M	GTM6Z-630L	GTM6Z-630M
Frame size rated current	Inm(A)	400	400	630	630
Rated current	In(A)	63, 80, 100, 125, 140, 160, 180, 200, 225, 250, 320, 350, 400	63, 80, 100, 125, 140, 160, 180, 200, 225, 250, 320, 350, 400	250, 300, 350, 400, 450, 500, 550, 630	250, 300, 350, 400, 450, 500, 550, 630
Rated insulation voltage	Ui(V)	1600	1600	1600	1600
Rated impulse withstand voltage	Uimp(kV)	12	12	12	12
Number of poles		2P	2P	2P	2P
Rated operating voltage	Ue (V)	DC 1500	DC 1500	DC 1500	DC 1500
Tripping characteristic		A	A	A	A
Rated ultimate short-circuit breaking capacity	Icu(kA)	20	50	20	50
Rated short-circuit breaking capacity for operation	Ics(kA)	16	20	16	20
Single-pole short-circuit breaking capacity (1P)	IIT(kA)	1.5	2.5	2.5	5
Electrical life	(times)	3000	3000	1500	1500
Mechanical life (without maintenance)	(times)	20000	20000	15000	15000
Mechanical life (with maintenance)	(times)	30000	30000	30000	30000
Overall dimensions (mm) 	Length L	200	200	256	256
	Width W	80	80	98	98
	Height H	115	115	135	135
Arc distance (mm)		None	None	None	None
Wiring method		Busbar connection (top or bottom wiring available)	Busbar connection (top or bottom wiring available)	Busbar connection (top or bottom wiring available)	Busbar connection (top or bottom wiring available)



Note

[illegible]