

GTW1

Air 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

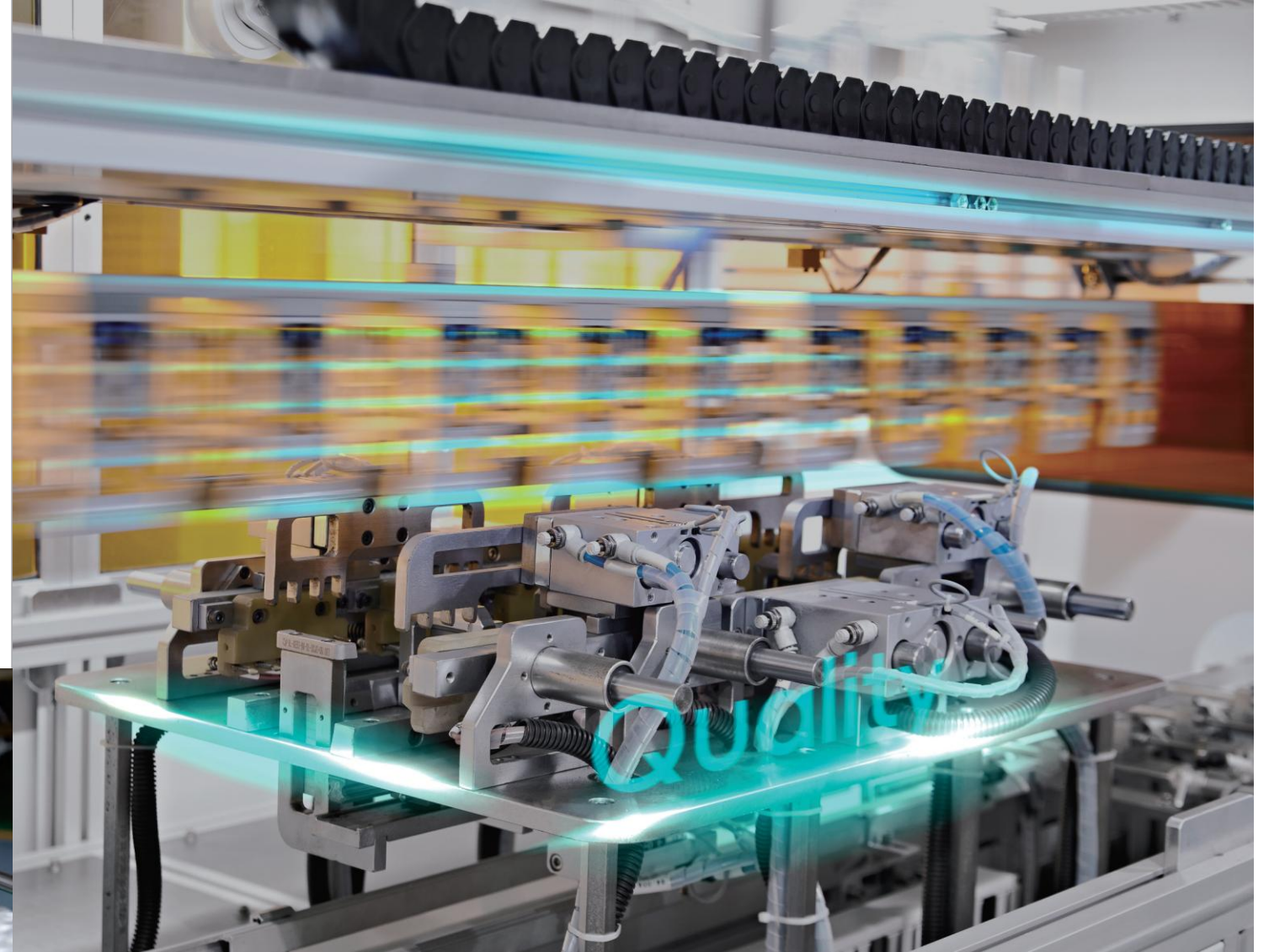
Craftsmanship Creates Excellence Dedicated Craftsmanship, Customer-Centric

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
TSINGTUO 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



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

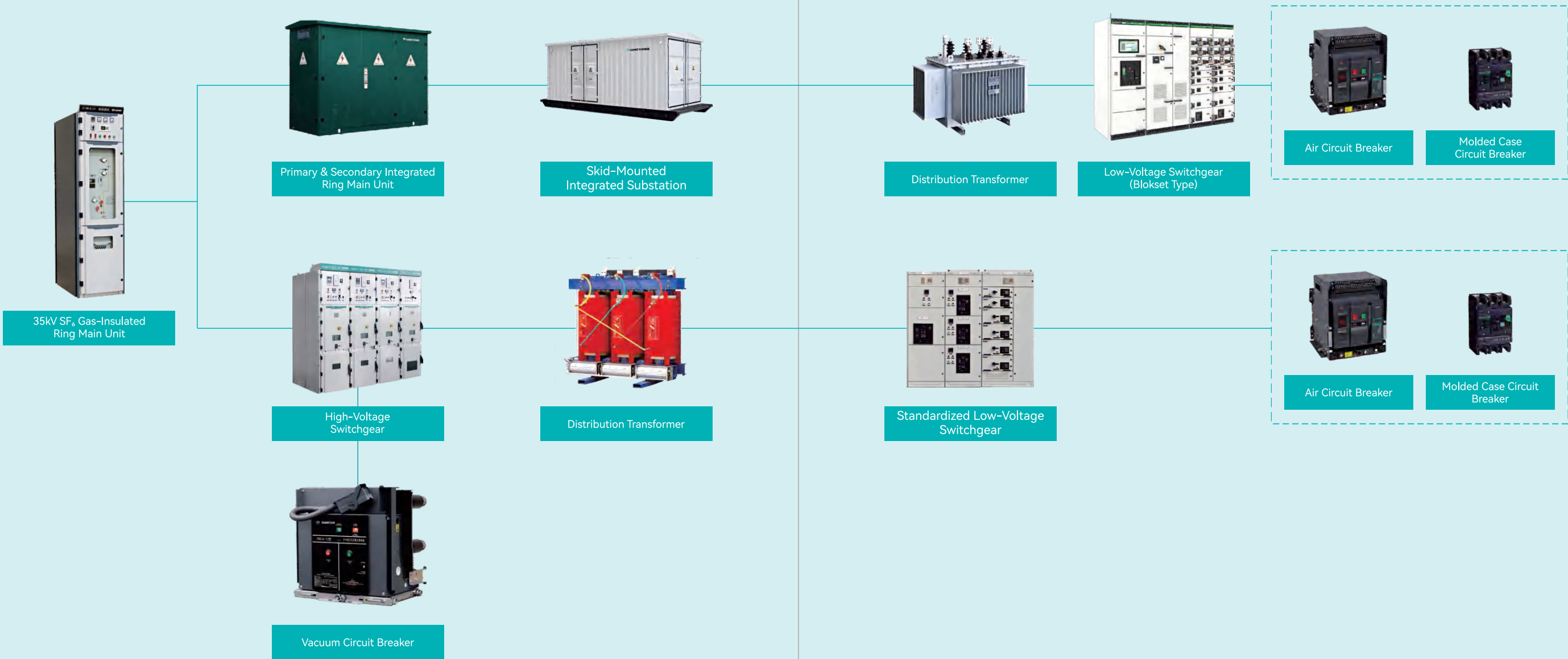
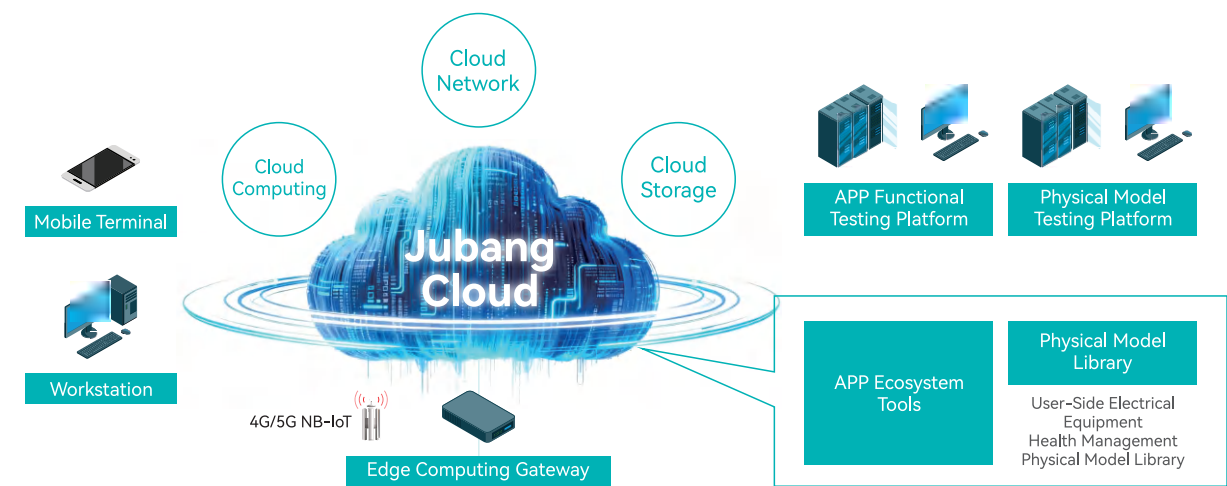


中国葛洲坝集团
CHINA GEZHOUBA GROUP

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.

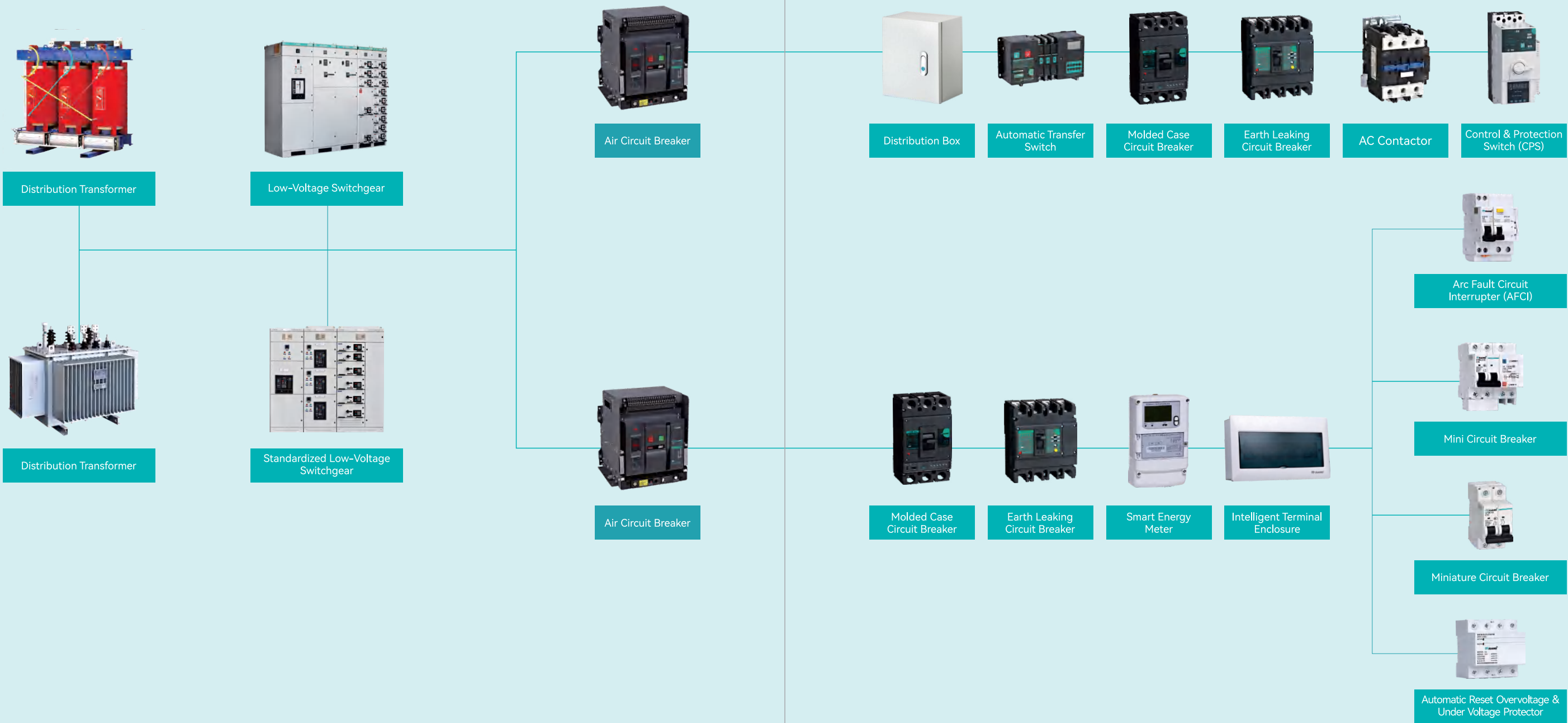
The cloud platform, a flagship product of the company’s digital transformation, has been recognized as a provincial-level industrial internet platform. It integrates six core management modules—real-time monitoring, operation & maintenance management, energy management, health management, asset management, 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.

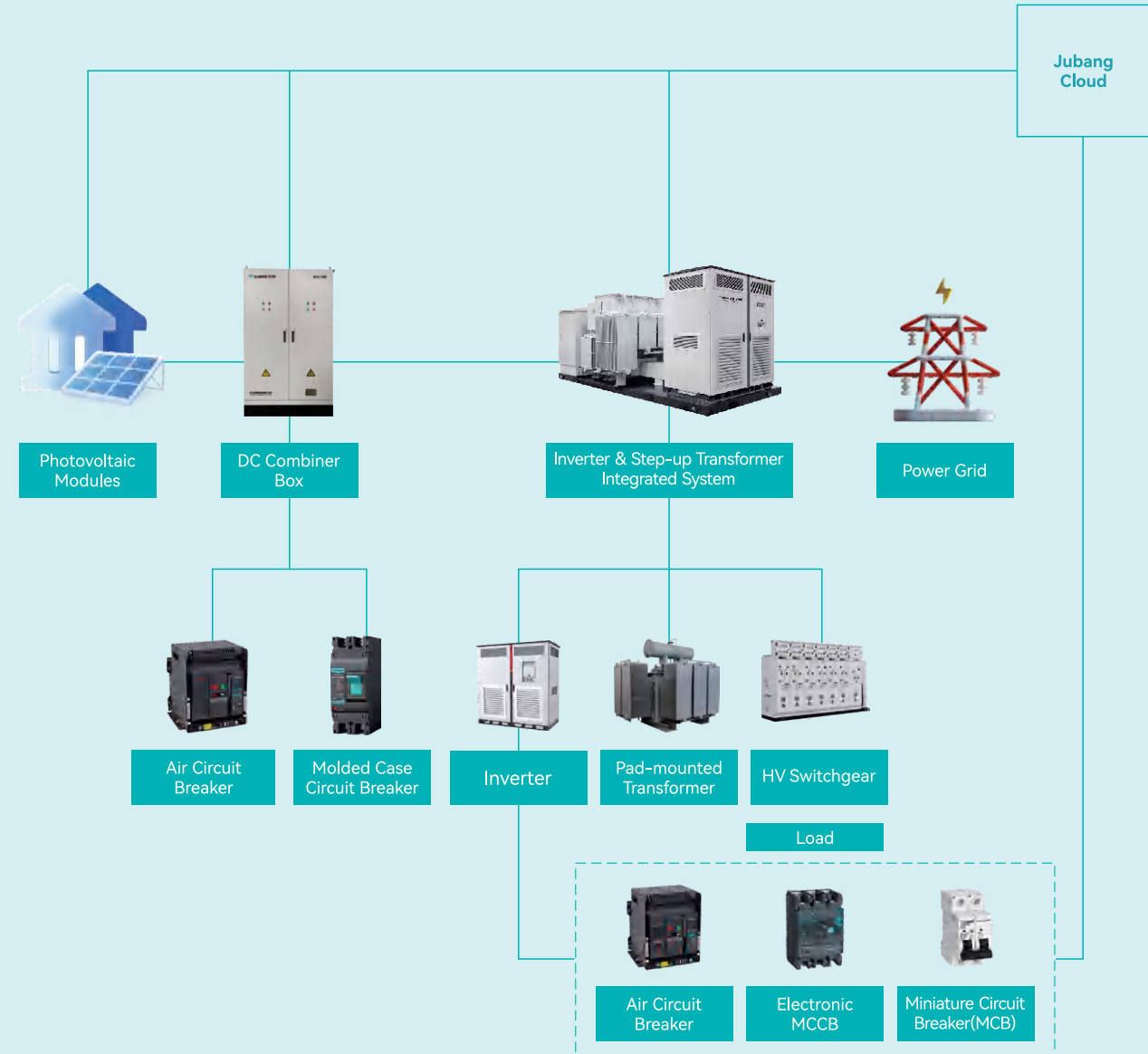


Energy Industry Solutions

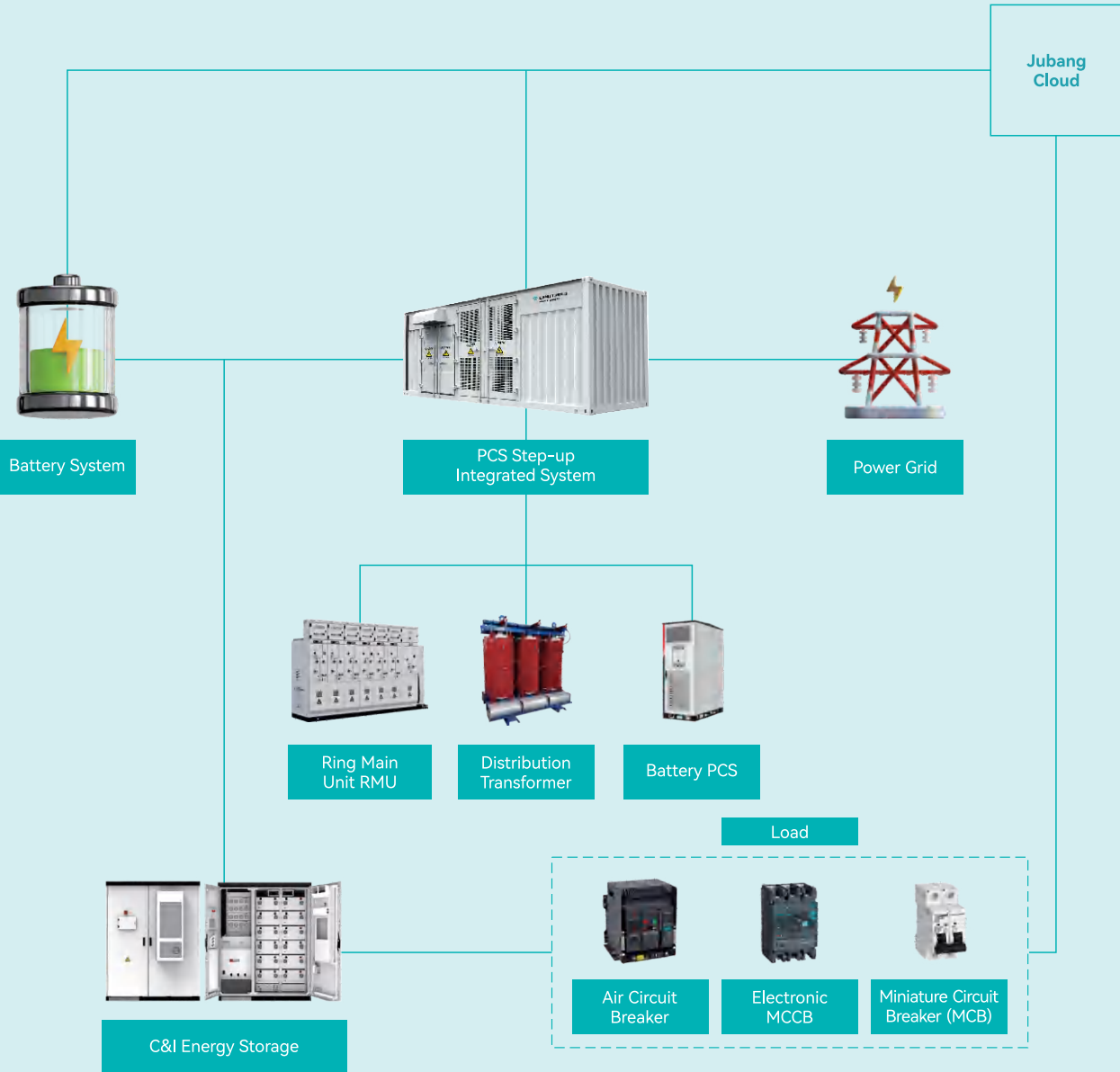
In response to national “dual-carbon” policies, Jubang integrates intelligent process monitoring and control technologies with independently developed oil-immersed transformers, dry-type transformers, DC circuit breakers, AC circuit breakers, and dual-power automatic transfer switches.

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



GTW1

Air Circuit Breaker

-  Intelligent
-  High breaking capacity
-  Monitoring function
-  Fault memory function



1 Product Features

- **Intelligent type, high breaking capacity**
- **Available in 3-pole and 4-pole versions; draw-out and fixed types; suitable for back and front installation**
- **Multiple intelligent controllers**
Provide three-stage / four-stage protection functions, monitoring function, fault memory function, and communication interface to realize measurement, communication, remote signaling, and remote control
- **Complete protection characteristics, convenient setting, high accuracy**
Long-time delay, short-time delay, instantaneous, and ground fault protection characteristics
- **Current range: 200A-6300A**

2 Product Model and Designation

GT	W	1	2500	M
↓	↓	↓	↓	↓
Enterprise Code	Product Code	Design Code	Frame Size Rating	Breaking Capacity
Jubang	Universal Circuit Breaker	1	1600:1600A 2500:2500A 3200:3200A 4000:4000A 6300:6300A	M H
/				
3P	1250A			
↓	↓			
Number of Poles	Rated Current			
3P: Three-pole 4P: Four-pole	1600: 200A, 400A, 630A, 800A, 1000A, 1250A, 1600A 2500: 630A, 800A, 1000A, 1250A, 1600A, 2000A, 2500A 3200: 2000A, 2500A, 3200A 4000: 3200A, 3600A, 4000A 6300: 4000A, 5000A, 6300A			
F		M		
↓		↓		
Installation Method		Intelligent Controller		
D: Draw-out type F: Fixed type		LED digital display M: Digital basic type (standard configuration) 2H: Digital communication type (optional)		
AC230V		LCD liquid crystal display 3M: LCD basic type (optional) 3H: LCD communication type (optional)		
↓				
Control Circuit Power Supply Voltage		AC230V AC400V		

Note:

① The breaking capacity code is only applicable to GTW1-1600 and 2500;

② The GTW1-6300 series is available only in draw-out type;

③ Products with rated current of 6300A are available only in 3P version.

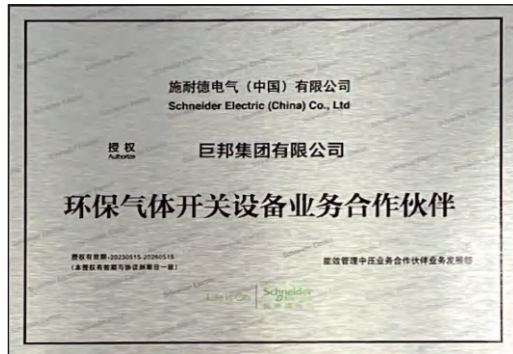
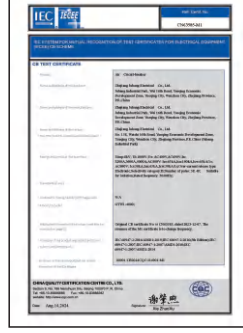
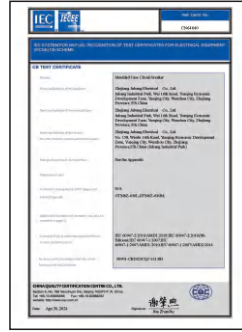
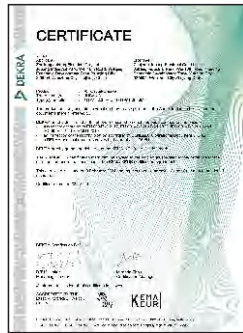
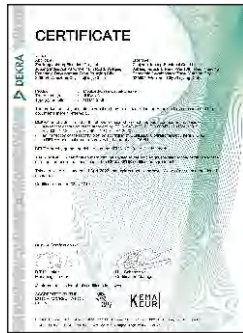


3 Main Technical Parameters Table

GTW1 Air Circuit Breaker Main Technical Parameters Table

Model			GTW1-1600			GTW1-2500		GTW1-3200		GTW1-4000		GTW1-6300		
GB/T14048.2 IEC60947-2														
Frame Size Rated Current		Inm(A)	1600			2500		3200		4000		6300		
Electrical Characteristics														
Number of Poles			3P	4P		3P	4P	3P	4P	3P	4P	3P	4P	3P
Operating Frequency		(Hz)	50/60			50/60		50/60		50/60		50		
Rated Operational Voltage		Ue(V)	AC 400/690			AC 400/690		AC 400/690		AC 400/690		AC 400/690		
Rated Current at +40°C		In(A)	200,400,630,800,1000,1250,1600			630,800,1000,1250,1600,2000,2500		2000,2500,3200		3200,3600,4000		4000,5000		6300
Rated Insulation Voltage		Ui(V)	1000			1000		1000		1000		1000		
Rated Impulse Withstand Voltage		Uimp(kV)	12			12		12		8		8		
Rated Current of N Pole		In(A)	100%			100%		100%		100%		100%		
Breaking Type			M	H		M	H	-	-	-	-	-		
Rated Ultimate Short-Circuit Breaking Capacity	Icu(kA)	400V	65	65		85	85	100		100		120		
		690V	50	50		55	65	65		65		80		
Rated Service Short-Circuit Breaking Capacity	Ics(kA)	400V	55	65		55	70	65		65		80		
		690V	42	50		55	65	65		50		70		
Rated Short-Time Withstand Current	(kA/1s)	400V	50	65		55	70	65		65		85		
		690V	42	50		55	65	65		50		65		
Operating Time	(ms)	Opening	23~32			23~32		23~32		23~32		23~32		
		Closing	< 70			< 70		< 70		< 70		< 70		
Arc Distance		(mm)	0			0		0		0		0		
Service Life	Mechanical Life (operations)	Maintenance-free	15000			12500		11000		5000		3000		
		With maintenance	30000			20000		15000		10000		6000		
	Electrical Life (operations)	400V	6500			6500		6000		1500		500		
		690V	3000			3000		2000		750		300		
Isolation Function			■			■		■		■		■		
Protection														
Intelligent Controller			■			■		■		■		■		
N-pole Protection Capability (for 4P and 3P+N)			□			□		□		□		□		
Connection and Installation														
Selection Category			B			B		B		B		B		
Installation Category	Circuit breaker (including primary circuit)		IV			IV		IV		IV		IV		
	Auxiliary circuit (excluding primary circuit)		III			III		III		III		III		
Pollution Degree			3			3		3		3		3		
Connection Method			Horizontal / Vertical			Horizontal / Vertical		Horizontal / Vertical		Horizontal / Vertical		Horizontal / Vertical		
Incoming Line Method			Up / Down			Up / Down		Up / Down		Up / Down		Up / Down		
Installation Method			Fixed type (3/4)	Draw-out type (3/4)		Fixed type (3/4)	Draw-out type (3/4)	Fixed type (3/4)	Draw-out type (3/4)	Draw-out type (3/4)		Draw-out type (3/4)		Draw-out type (3/4)
Overall Dimensions (mm)		Width (W)	265/335	305/375		370/465	410/505	422/537	470/585	585/825		845/960		960
		Depth (D)	235	337		342(short) 372(long)	430(short) 460(long)	342(short) 382(long)	430(short) 492(long)	492		500		500
		Height (H)	310	345		402	432	402	432	432		432		432

■ Standard configuration □ Optional - None



Note

[illegible]