

GTM6E

Electronic Molded Case Circuit Breaker

More reliable power supply
More secure power protection



JUBANG GROUP CO., LTD.

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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



Power Grid System



Oil & Gas Industry



Steel, Metallurgy & Mining Industry



New Energy Power Industry

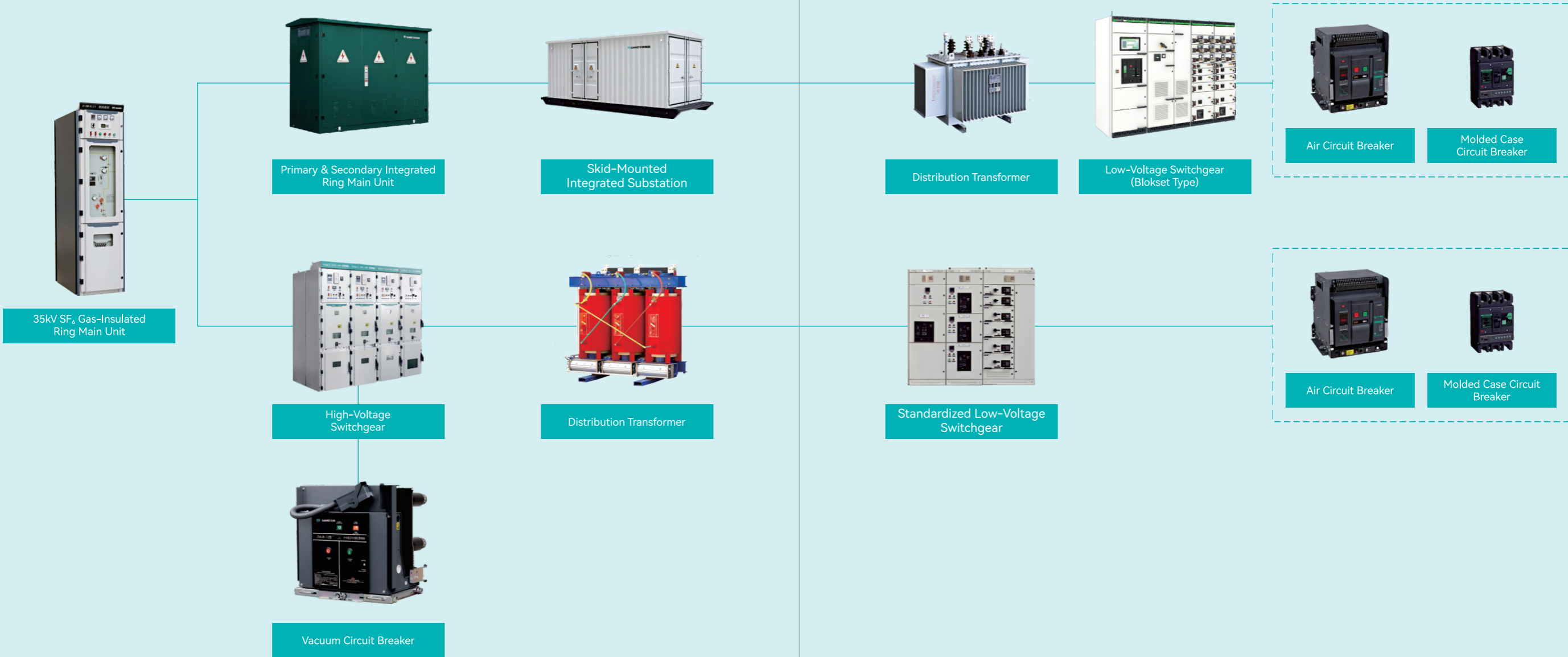
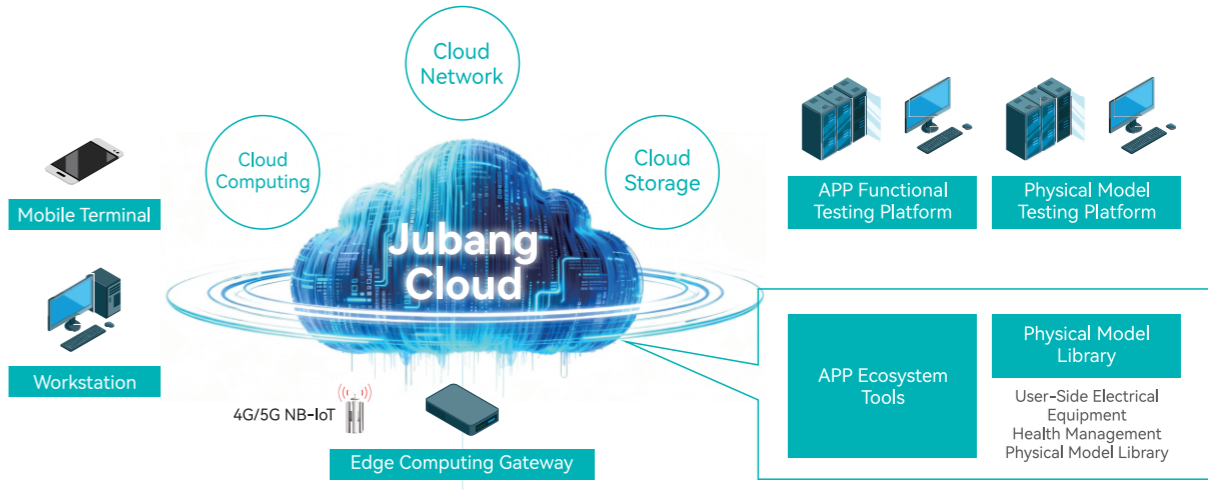


-  **1 Hour**
Rapid Response
-  **24 Hours**
Customer Demand Response
-  **12 Hours**
Engineers On-Site
-  **360°**
One-Stop Solution

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.

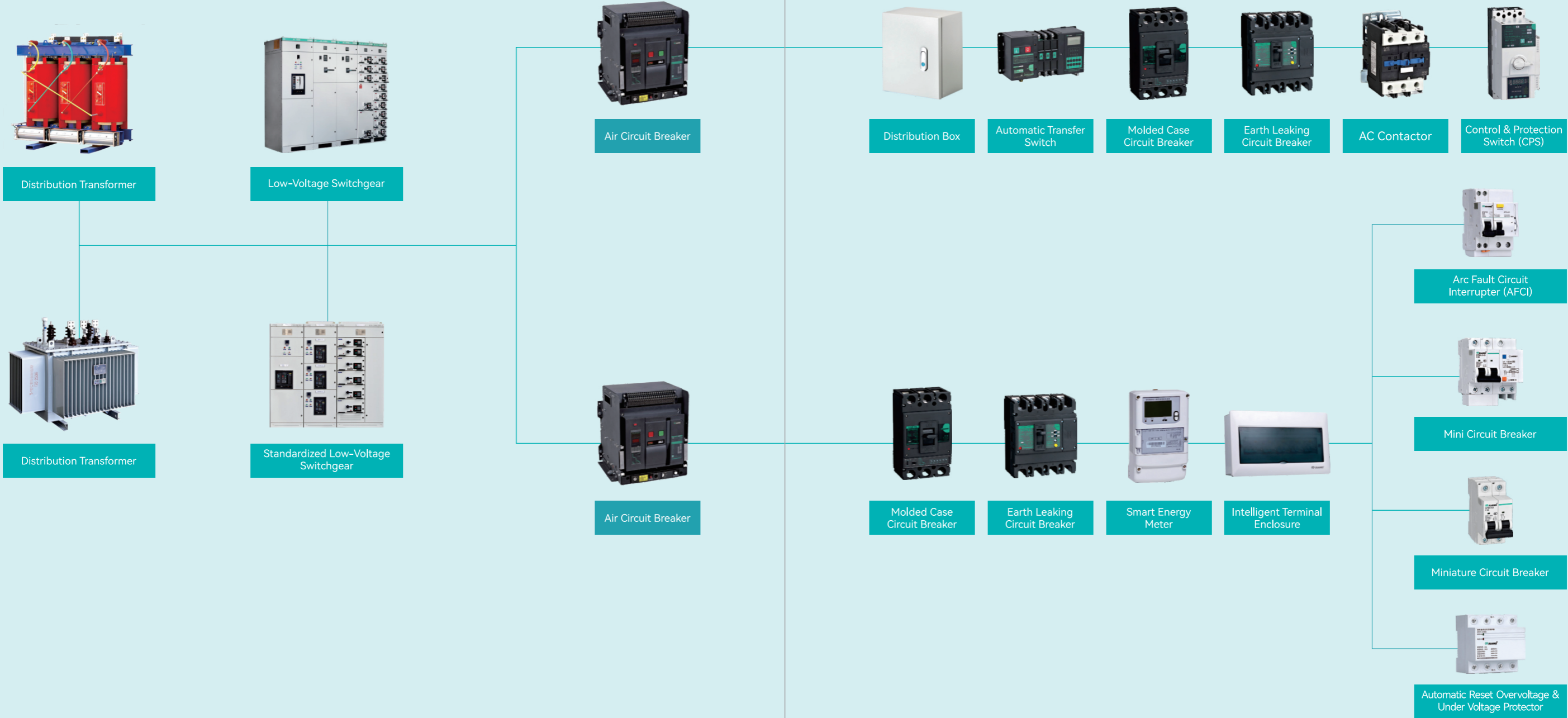
The cloud platform, a flagship product of the company's digital transformation, has been recognized as a provincial-level industrial internet platform. It integrates six core management modules—real-time monitoring, operation & maintenance management, energy management, health management, asset management,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

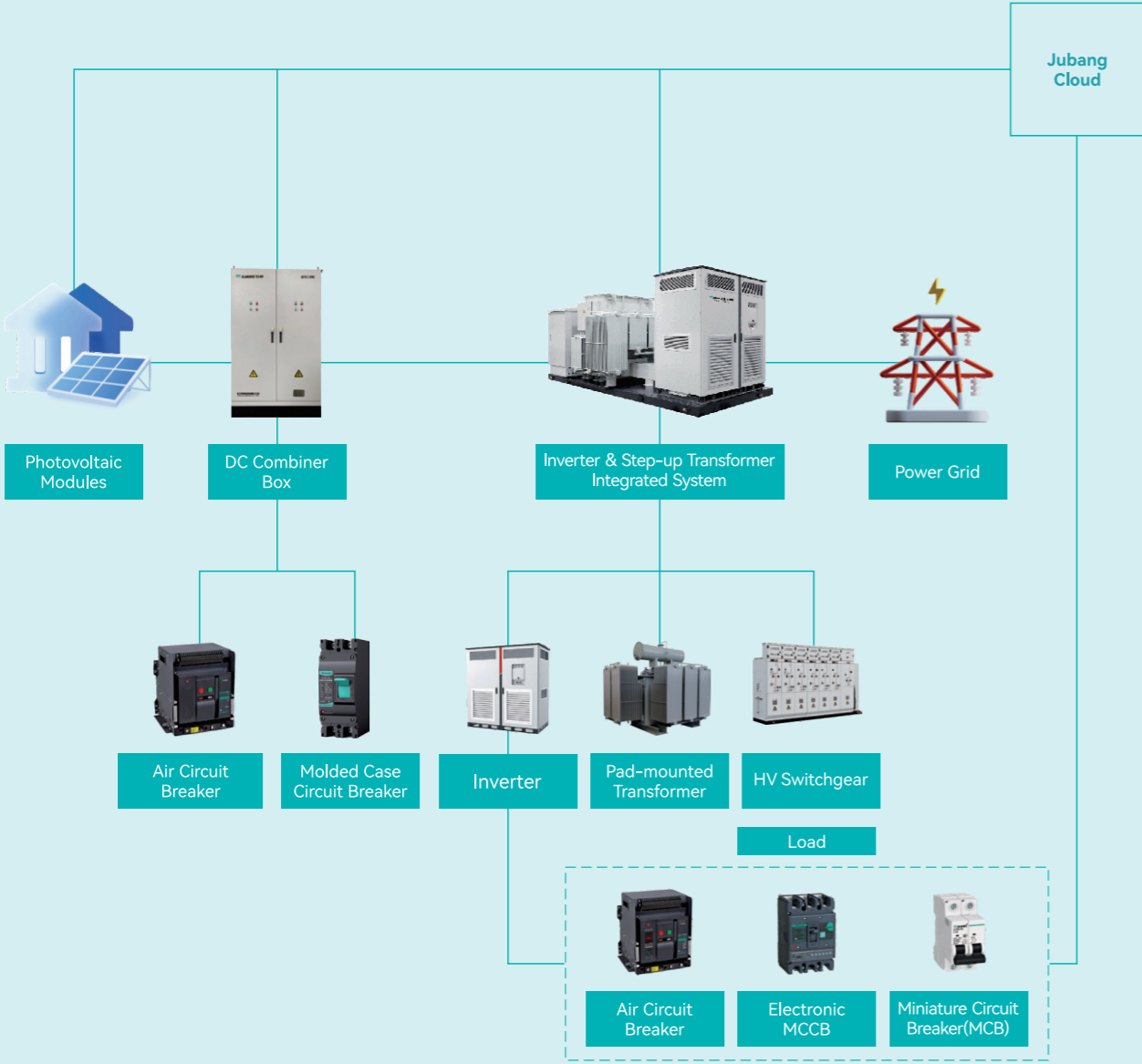


Energy Industry Solutions

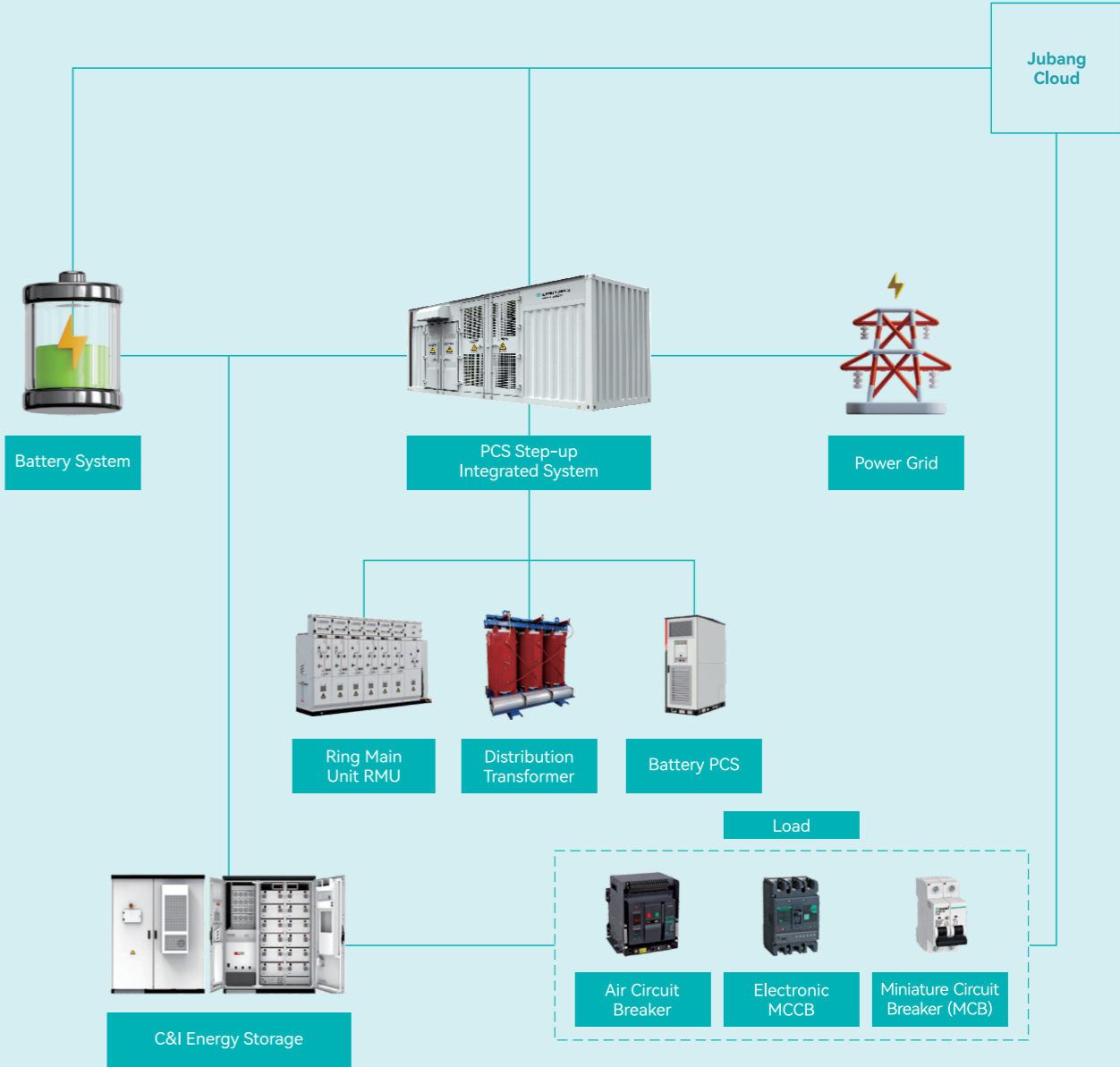
In response to national “dual-carbon” policies, Jubang integrates intelligent process monitoring and control technologies with independently developed oil-immersed transformers, dry-type transformers, DC circuit breakers, AC circuit breakers, and dual-power automatic transfer switches.

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



GTM6E

Electronic Molded Case Circuit Breaker



Small size



High breaking capacity



Compact structure



Short arc distance



1 Product Features

- **Modular structural design**
Allows quick installation of accessories
- **High breaking capacity and reliable performance**
- **Suitable for smart power distribution networks**
Supports remote monitoring, remote signaling, remote control, and remote adjustment via communication interfaces
- **Rated current from 12A to 800A, with 3-pole and 4-pole options**



2 Product Model and Description

GT	M	6	E	-	125	M
↓	↓	↓	↓		↓	↓
Company Code	Product Code	Design Series	Trip Unit Type		Frame Size	Breaking Capacity
Jubang	Molded Case Circuit Breaker	6	E: Electronic		125:125A 250:250A 400:400A 630:630A 800:800A	L M H
/	3	3			10	
	↓	↓			↓	
	Number of Poles	Trip Method			Internal Accessories	
	3P: Three-pole 4P: Four-pole	3: Electronic Trip Unit			00: No accessories 08: Alarm contact 10: Shunt trip unit 20: Auxiliary contact 70: Auxiliary contact + undervoltage release 18: Shunt trip unit + alarm contact 28: Auxiliary contact + alarm contact 38: Undervoltage release + alarm contact 48: Shunt trip unit + auxiliary contact 68: Two sets of auxiliary contacts + alarm contact 78: Undervoltage release + auxiliary contact	30: Undervoltage release 40: Shunt trip unit + auxiliary contact 50: Shunt trip unit + undervoltage release 60: Two sets of auxiliary contacts
	I	63A			P	
	↓	↓			↓	
	Overload alarm without tripping	Rated Current			External Accessories	
	Standard: None I: Overload alarm without tripping	125: 12A~32A, 40A~100A, 50A~125A 250: 100A~250A 400: 160A~400A 630: 250A~630A 800: 320A~800A			Standard: Direct operation (no marking) Z: Manual operating mechanism P: Motor operating mechanism	
	R	LSI			D	
	↓	↓			↓	
	Installation Method	Protection Type			Communication Function	
	Standard: Rear board connection (no marking) R: Rear board connection PR: Plug-in rear board connection PF: Plug-in front board connection Plug-in connection plate	LSI: Three-stage protection (no marking) LSIG: Four-stage protection			Default: None	

Note:
① See the breaking capacity technical parameter table for details
② For 4P, the 3 protection poles and N pole can be opened or closed



3 Main Technical Parameters Table

GTM6E Electronic Molded Case Circuit Breaker – Main Technical Parameters Table

Model	GTM6E-125						GTM6E-250						GTM6E-400						GTM6E-630						GTM6E-800							
GB/T14048.2 IEC60947-2																																
Frame Size	Inm(A)	125						250						400						630						800						
Rated Frequency	(Hz)	50						50						50						50						50						
Breaking Type		L	M	H			L	M	H			L	M	H			L	M	H			L	M	H								
Number of Poles		3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P					
Rated Current In	In(A)	12~32, 40~100, 50~125 adjustable						100~250 adjustable						160~400 adjustable						250~630 adjustable						250~630、320~800 adjustable						
Rated Insulation Voltage	Ui(V)	1000						1000						1000						1000						1000						
Rated Impulse Withstand Voltage	Uimp(kV)	8						8						8						8						8						
Rated Operational Voltage	Ue(V)	AC 400/690						AC 400/690						AC 400/690						AC 400/690						AC 400/690						
Arc Distance	(mm)	≥ 50						≥ 50						≥ 100						≥ 100						≥ 100						
Rated Ultimate Short-Circuit Breaking Capacity	Icu(kA)	400V	35	50	70			35	50	70			50	70	100			50	70	100			50	70	100							
		690V	20	20	20			20	20	20			20	20	20			20	20	20			20	20	20							
Rated Service Short-Circuit Breaking Capacity	Ics(kA)	400V	25	35	50			25	35	50			35	50	70			35	50	70			35	50	70							
		690V	10	10	10			10	10	10			15	15	15			15	15	15			15	15	15							
Rated Short-Time Withstand Current	(kA/1s)	1.5						3						5						8						10						
Utilization Category		A						A						B						B						B						
Service Life	Mechanical Life (operations)	Maintenance-free	20000						20000						10000						10000						10000					
		With maintenance	40000						40000						20000						20000						20000					
	Electrical Life (operations)	8000						8000						7500						7500						7500						
Overall Dimensions (mm)		Width (W) (3P/4P)	92	122	92	122	92	122	107	142	107	142	107	142	150	198	150	198	150	198	150	198	150	198	150	198	210	280	210	280	210	280
		Length (L)	150						165						257						257						280					
		Height (H)	113						117						150						150						150					
Mounting Plate Cutout Dimensions (mm)		Width (A) (3P/4P)	30	60	30	60	30	60	35	70	35	70	35	70	44	94	44	94	44	94	44	94	44	94	44	94	70	140	70	140	70	140
		Length (B)	129						126						194						194						243					
		Diameter (Φ)	5						5						7						7						7					
Accessory Configuration																																
Alarm contact	08	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Shunt trip unit	10	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Auxiliary contact	20	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Undervoltage release	30	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Two sets of auxiliary contacts	60	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Direct operating handle	Z	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Extended operating handle	Z (extended)	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Motor operating mechanism	P(CD2)	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Connection plate		<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Rear board connection	R	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Plug-in rear board connection	PR	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Plug-in front board connection	PF	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
Draw-out type	-	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						
MODBUS communication module	D	<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						<input type="checkbox"/>						

Optional - None The operation handle can be either circular or square. The default shipment is circular. If you need a square one, please mention it when placing your order.



