

CHAC

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01

About CHAC

Company Introduction

Zhejiang Chuangqi Electric Co., Ltd. (CHAC) is a leading enterprise specializing in low-voltage electrical appliances, integrating R&D, manufacturing, and marketing. Its core products have obtained certifications including CCC , CE , and CB, and are widely exported to over 30 countries and regions such as the European Union, South America, Russia and other CIS countries, the Middle East, and Southeast Asia. CHAC has consistently ranked among the top self-operated exporters of low-voltage electrical products in Wenzhou for multiple years, establishing itself as one of China' s foremost companies in the industry for international sales.

30 years
Manufacturing
Experience

2
Intelligent
Manufacturing Base

1000+
Employee Scale

60000 m²
Land Occupation Scale



Development History



1995

Zhengli Electric Appliance was established.

The output value in the first year is 2 million yuan, the first pot of gold in the electrical industry.

1998

Chuangqi Electric was established

With an output value of 35 million yuan, it is among the first batch of low-voltage electrical export enterprises.



2007

The Completion of Wenzhou Intelligent Manufacturing Base

With an output value of 350 million yuan, the products are exported to more than 30 countries in Europe, the Americas, etc.

2017

Jiaxing Intelligent Manufacturing Base is completed

Continuously delve into the field of low-voltage electrical appliances



2023

Zhejiang Chuangqi Electric Co., Ltd.

Zhejiang Chuangqi Electric Co., Ltd. has been renamed.



02

CHAC Strength

Accreditations & Awards



Corporate Credentials

- 🏆 National "Little Giant" Enterprise
- 🏆 National High-Tech Enterprise
- 🏆 National Green Factory
- 🏆 AEO Advanced Certified Enterprise
- 🏆 Excellent Intelligent Manufacturing Scenario
- 🏆 National Patent-Intensive Products

Certification Architecture

ISO 9001 QMS | ISO 14001 EMS | ISO 45001 OH&S
ISO 50001 EnMS Energy Governance

Global Market Access

CCC • CE • CB

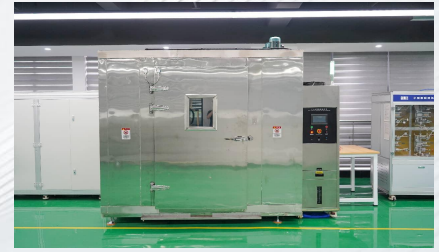
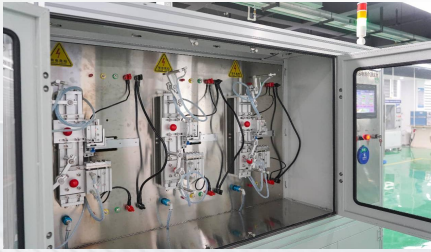
IP Portfolio

300+ Patents (Invention/Utility/Design)



R&D Center

Housing multiple independent laboratories (physical/chemical testing, magnetic testing, 3D measurement) with full capabilities for technical evaluations, including brazing rate testing, salt spray testing, electrical endurance testing, and other critical performance assessments.



Quality Management and Control System

End-to-End Quality Governance



Raw Material Control

Qualified suppliers • Incoming inspection • Traceability



Process Control

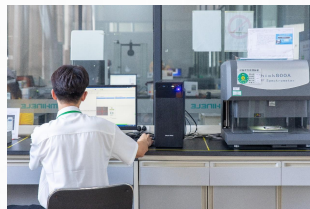
Real-time monitoring • Error-proof testing



Final Verification

Performance testing • Shipment inspection • Delivery assurance

Intelligent Quality Tools



Inspection
& Testing



MES / QMS
Dashboard



Integrated
Quality Data



Closed-loop
Response



Shipment
Assurance

Intelligent Manufacturing Base



Wenzhou Intelligent Manufacturing Base

Terminal Electrical (MCB, RCBO, RCCB, Isolator.....)



Jiaxing Intelligent Manufacturing Base

Distribution Electrical & Industrial Control Electrical
(MCCB、AC Contactor、Distribution Box.....)

90%

Of Manufacturing
Process Automated

85%

Of Production
Machinery Self-developed

98%

Parts Self-produced

100M+ poles

MCB Annual Production
Capacity

Smart Manufacturing Center

Powered by the MES digital brain, our fully automated production line integrates intelligent scheduling, precision assembly, and real-time quality control for consistent, high-volume manufacturing.



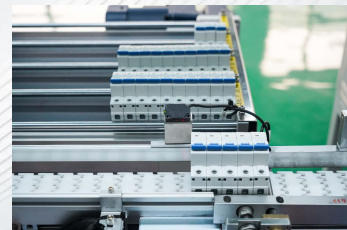
Watch our factory videos



Full-Line Overview



Core Assembly



Multi-pole Assembly



Marking & Mounting



Performance Testing



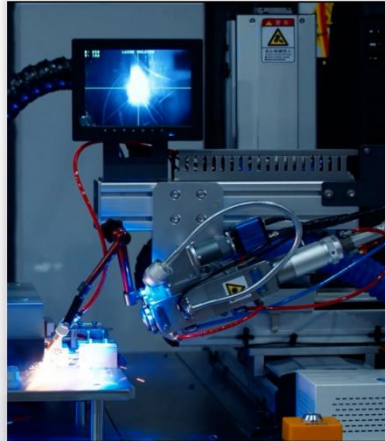
Final Inspection

Convergence Drives Precision

Automated precision eradicates human error, Lean flow drives single-piece production,
AI-powered quality achieves zero defects



Automated production
eradicates human error



Lean-optimized
workflows minimize
waste



AI-driven manufacturing
ensures real-time quality

Wenzhou Intelligent Manufacturing Base



Laboratory



Quality Center



R&D Center



Mold Workshop



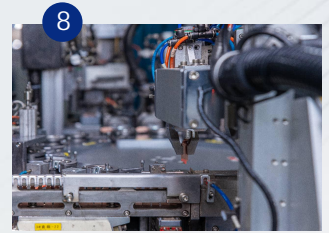
Injection Molding Workshop



End-Product Line Workshop



Smart Workshop



Spot Welding Workshop

Jiaxing Intelligent Manufacturing Base



End-Product Line
Workshop



Power Distribution
Product Line Workshop



Industrial Control
Product Line Workshop



Automation Workshop



Distribution Box
Production Line
Workshop



R&D Center



Testing Center

03

Product Portfolio

International Leading Expert In Low-voltage Electrical Lean Manufacturing

PXB6 Series MCB | PXB9 Series MCB | PXB2 Series MCB | CQB3 Series MCB | CQB9ZN Series Smart Circuit Breaker
CQM6 Series MCCB | CQC6 Series ACC | CQR2 Series TOR | High Voltage DC Contactor

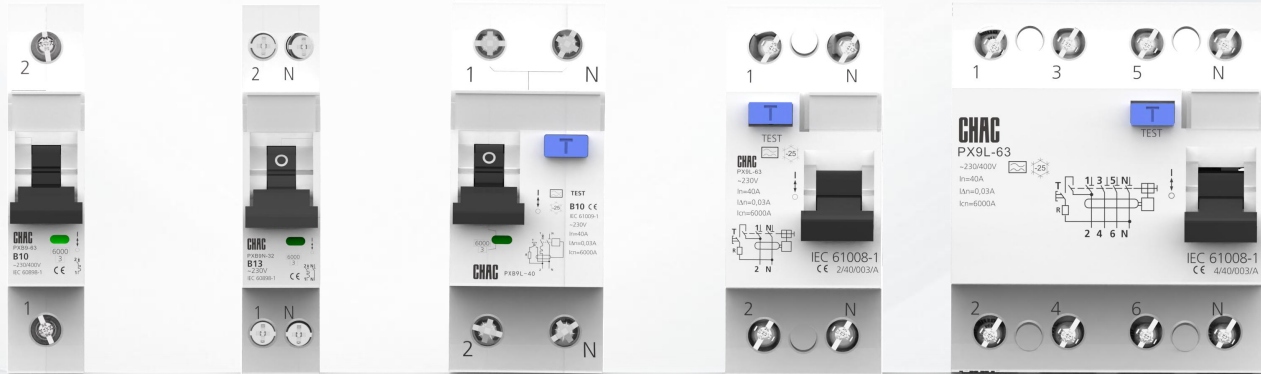


PXB6 Series Miniature Circuit Breaker



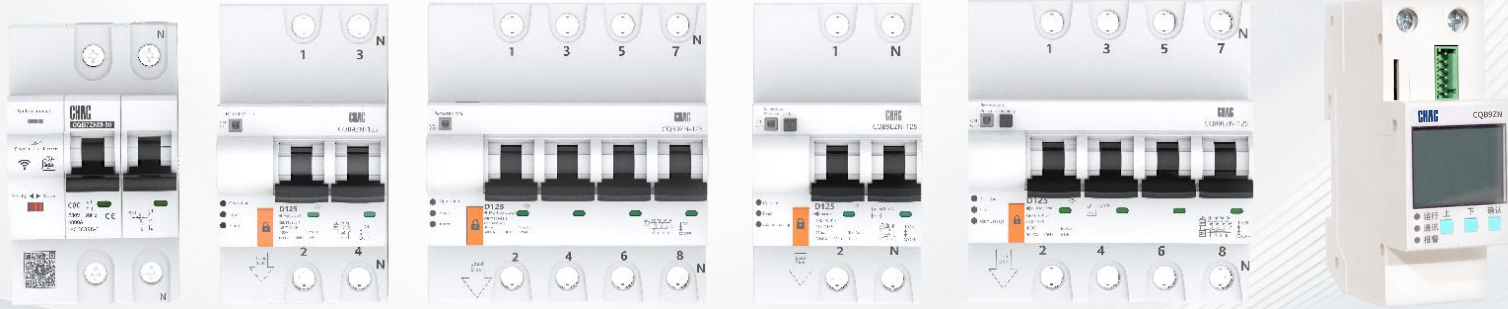
- Full Current & Scene Coverage: Covers 6A – 125A, AC/DC/RCBO types, and fits residential, commercial, industrial & new energy applications.
- Modular & Upgradable: Supports auxiliary, alarm, shunt, undervoltage accessories for remote monitoring and intelligent power distribution.
- High Breaking & Certified: Up to 12.5kA breaking capacity with precise B/C/D curves, overload/short- circuit protection, and CE/CB/CCC/ approvals.

PXB9 Series Miniature Circuit Breaker



- Full Current & Wide Application: Covers 6A – 125A AC MCB & RCBO models, ideal for residential, commercial, industrial & new energy distribution.
- Modular & Upgradable: Supports auxiliary, alarm, shunt & undervoltage modules for remote indication, fault alarm & intelligent control.
- High Breaking & Certified: Up to 12.5kA breaking capacity with precise B/C/D curves, overload & short-circuit protection, and CE/CB/CCC/ approvals.

Smart Circuit Breaker



- **Complete System Configuration:** Includes IoT smart circuit breakers and supporting gateways, forming a complete smart power management system.
- **Intelligent Control & Protection:** Offers remote control, timing, and scene functions, with comprehensive protection (overload, short-circuit, leakage, over/under-voltage).
- **Reliable Connectivity & Management:** Gateway supports Ethernet, 4G, Wi-Fi, ZigBee for stable device connection and centralized management.

CQB3 Series Miniature Circuit Breaker



- Complete Product Range: Includes MCB, RCBO, over/under voltage protection, and SPD models, covering 6A – 125A.
- Full Scenario Adaptation: Widely used in residential, commercial, industrial and new energy power distribution.
- Superior Protection & Certified: High breaking capacity with B/C/D tripping curves, overload & short-circuit protection.

Region-Specific Circuit Breaker



FB2 Series Circuit Breaker

- Compact
- Bottom terminal
- 6kA/10kA
- MCB and RCBO



FBX Series Circuit Breaker

- Full range of specifications covered
- High breaking capacity for enhanced safety
- Long service life and outstanding durability
- Compliant with international certifications
- Plug-in for load center



CQB58 Circuit Breaker

- Overload protection

CQM6 Series Molded Case Circuit Breaker



- Compact Design: 125 frame size is 30% – 50% smaller for smaller panels and optimized wiring.
- Superior Protection: High breaking capacity 25kA – 75kA with precise thermal-magnetic protection.
- Flexible Application: Modular accessories, quick installation, wide adaptability for multiple scenarios.

CQM5NEZ Series Molded Case Circuit Breaker

CQW2 Series Air Circuit Breaker



CQM5NEZ Series Molded Case Circuit Breaker

- High-Voltage DC Protection: Supports operating voltages up to DC1500V, providing overload and short-circuit protection with breaking capacities up to 30kA.
- Wide Application Range: Covers rated currents from 63A to 630A, suitable for new energy and other high-voltage DC distribution systems.



CQW2 Series Air Circuit Breaker

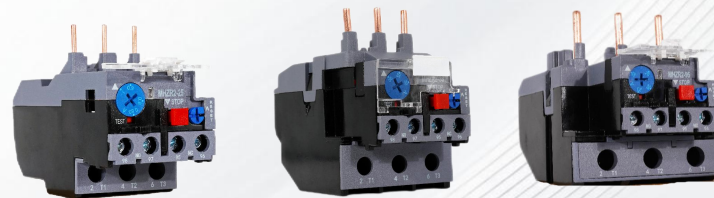
- Wide current range: 200A – 6300A, for AC400V/690V systems
- High breaking capacity up to 120kA
- Intelligent controllers (L/M/H) with communication & remote monitoring
- Modular design: fixed & withdrawable installation

CQC6 Series AC Contactor CQR2 Series Thermal Overload Relay



CQC6 Series AC Contactor

- Compact structure with low power consumption and long service life
- Flexible expansion and full compatibility with various loads
- Easy installation with high wiring efficiency and strong compatibility



CQR2 Series Thermal Overload Relay

- Three-phase bimetallic strip design
- Phase failure protection mechanism
- Integrated tripping mechanism
- Built-in testing function

Other



Distribution Box

- Neat appearance
- Flame retardant material
- Variable knockout sizes
- Strictly 35mm DIN rail Installation
- Standard Screw Holes



CQMG03 Series Connection Box

- 50Hz AC compatible, 125A/160A rated
- Bus bar and terminal connections in electrical systems
- Industrial-grade design, compact with reliable insulation

DC Protection Components



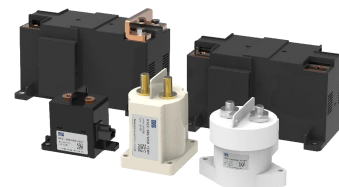
DC Miniature Circuit Breaker

- Multi-stage overload & short-circuit protection
- Reliable for low/high voltage DC systems
- Flexible poles for various DC applications



DC Molded Case Circuit Breaker

- Zero arc chute design, safe disconnection
- Stable operation under high ambient temperature
- Rich configurable auxiliary accessories available



High-Voltage DC Contactor

- Multiple sealing structures for harsh environments
- Wide DC voltage & current coverage
- Excellent high-current breaking endurance

Application Scenarios

Typical DC protection applications in solar, energy storage and EV charging systems.



Solar PV Systems

DC protection for PV strings, combiner boxes and inverter-side applications.

Recommended Products:

- DC MCB
- DC MCCB



Energy Storage Systems

Reliable DC switching and protection for battery packs, PCS and storage cabinets.

Recommended Products:

- HV DC Contactor
- DC MCCB



EV Charging Systems

DC control and protection solutions for charging modules and EV charging equipment.

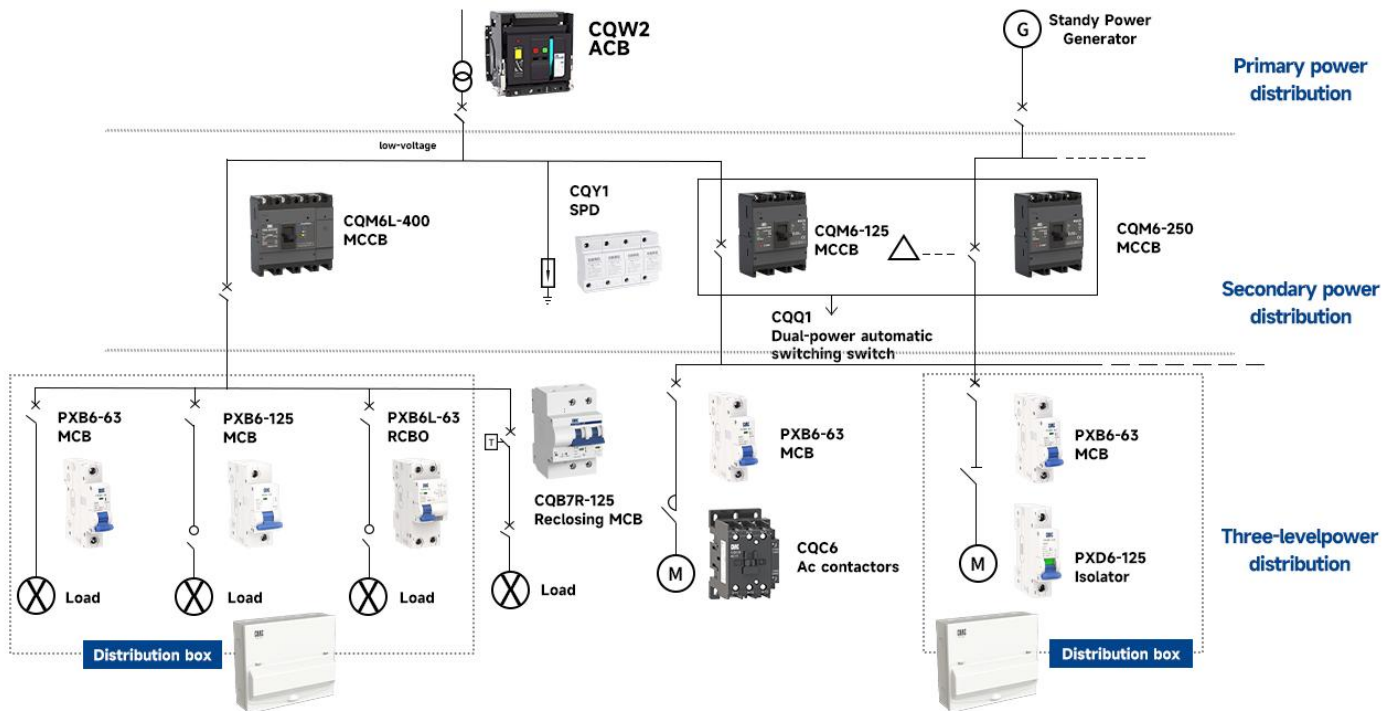
Recommended Products:

- HV DC Contactor
- DC MCCB
- DC MCB

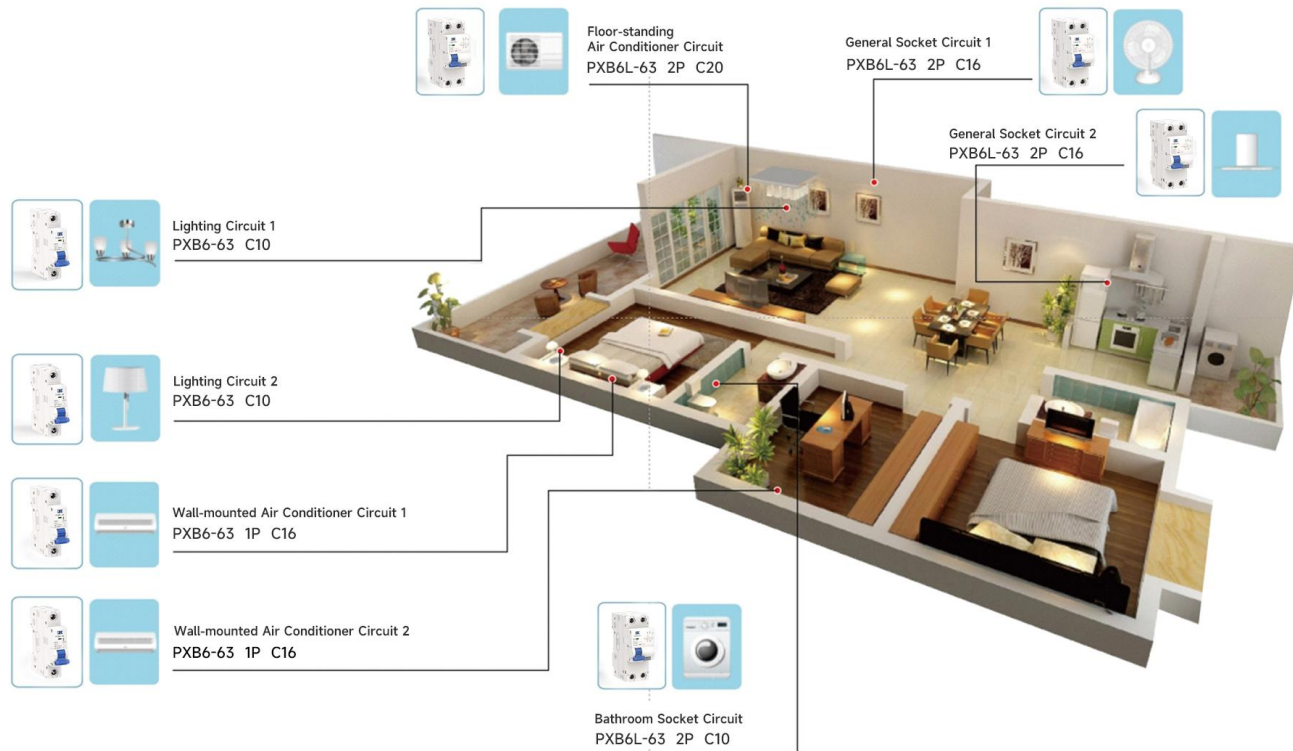


Covering core DC protection needs across PV, energy storage and EV charging applications.

CHAC specializes in OEM/ODM solutions for low-voltage power distribution

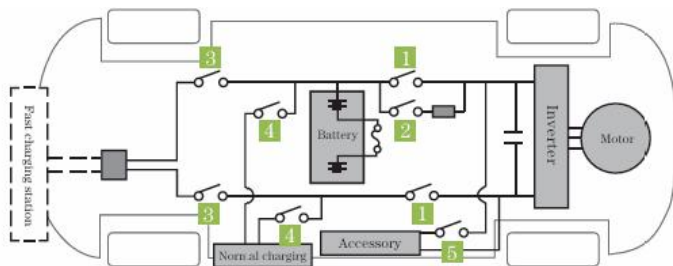


Application Scenarios of Circuit Breakers

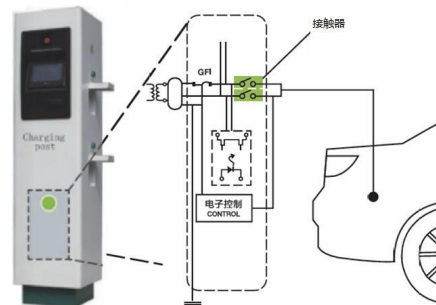


Application Scenarios of High Voltage DC Contactors

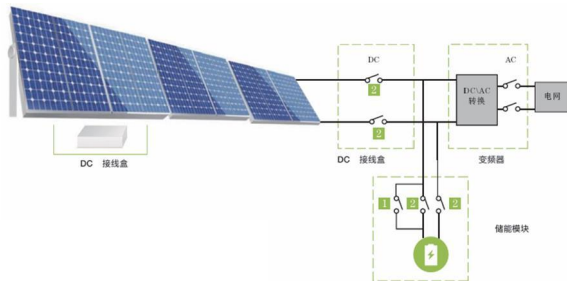
Electric & Hybrid Vehicle Solutions



Charging Station Solutions



Photovoltaic (PV) & Energy Storage Solutions

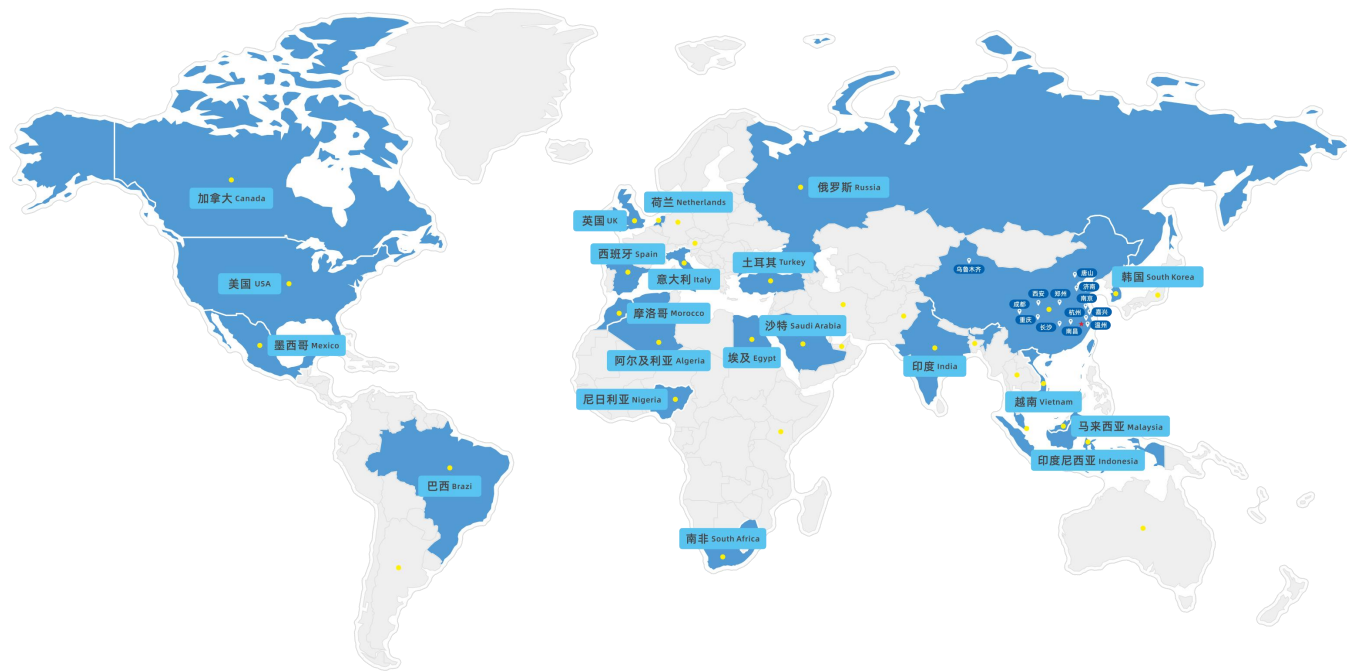


Containerized Energy Storage Solutions



04

Business Footprint



Since 1995

Industry's First Export-Compliant Entity

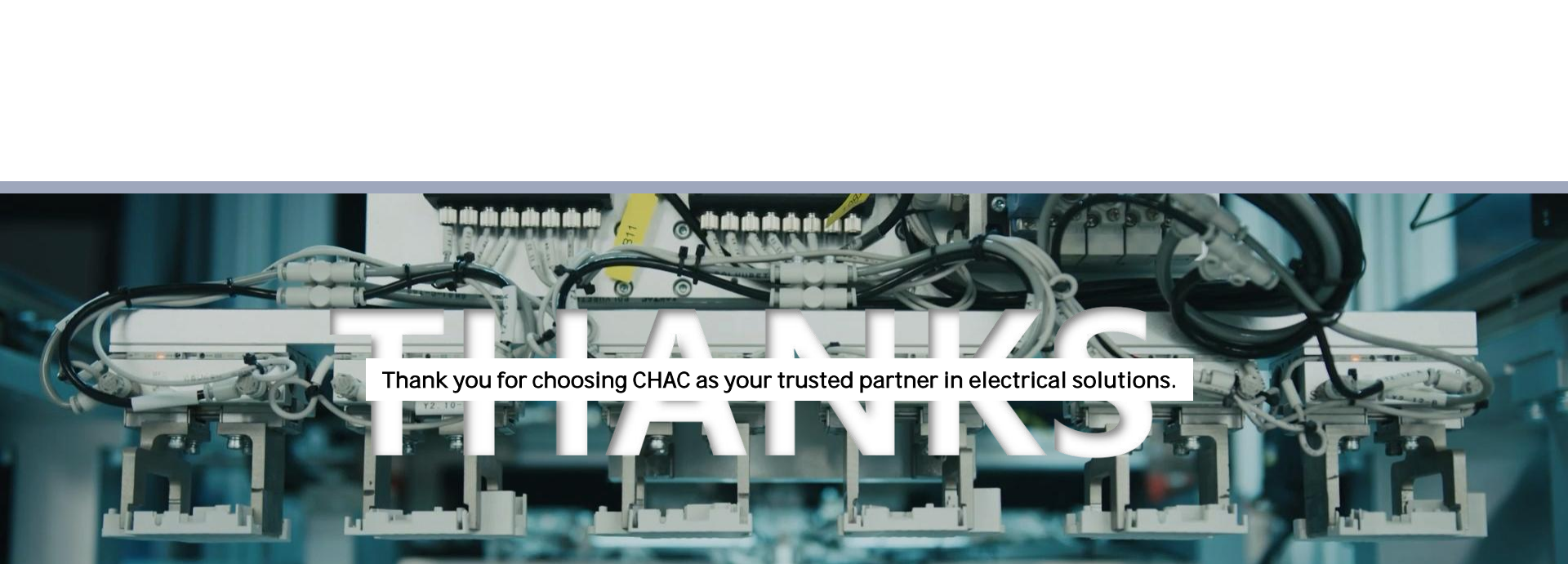
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Major Sales Networks

Spanning Asia, North America, South America, Europe, and Africa

30+

Business Footprint Covers Russia, the U.S., Japan and South Korea, among Others



THANKS

Thank you for choosing CHAC as your trusted partner in electrical solutions.

Contact Information

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