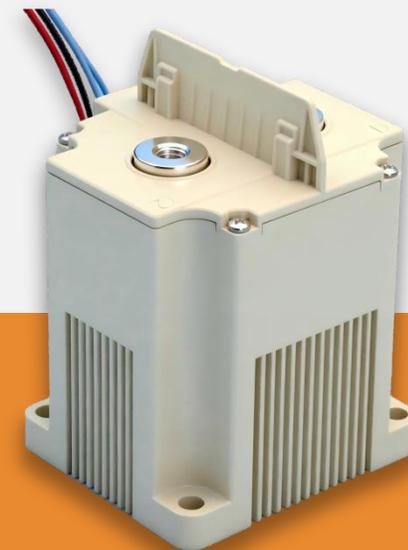




ALQ
Technology

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苏州安来强电子科技有限公司

SuZhou ALQ Electronic Technology CO.,LTD.

为全球提供更安全可靠的直流开关电器
Provide safer and more reliable DC switching electrical appliances for the world.

安来强科技





ALQ
Technology

01

关于我们 About Us

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安来强科技



简介 Introduction

苏州安来强电子科技有限公司是一家专注、务实且高效的直流开关电器制造商。公司创建于2013年，坐落于美丽富饶的历史文化名城——苏州。

公司致力于直流接触器的研发、生产和销售，是国内较早从事直流接触器产业的国家高新技术企业及专精特新企业。产品广泛应用于工业车辆、电动工具、智能物流、机器人、光伏储能、工业设备、充电桩、电动汽车等领域。

公司拥有一支高素质的员工队伍和优秀的企业文化，依托科学的管理及先进的生产设备，为全球客户提供安全、可靠的产品及优质的服务。

公司秉承“客户为本、品质至上、诚实守信、持续改善”的经营理念为客户创造最大价值，同客户共创美好的明天。

Suzhou ALQ Electronic Technology Co., Ltd. is a focused, pragmatic and efficient manufacturer of DC switching electrical appliances. Founded in 2013, the company is located in Suzhou, a beautiful, affluent historical and cultural city.

The company is committed to the R&D, production and sales of DC contactors. As a national high-tech enterprise and a "Specialized, Refined, Characteristic and Innovative" enterprise, it is among the early players in China's DC contactor industry. Its products are widely used in fields such as industrial vehicles, power tools, intelligent logistics, robots, photovoltaic energy storage, industrial equipment, charging piles and electric vehicles.

Boasting a high-caliber workforce and an outstanding corporate culture, the company relies on scientific management and advanced production equipment to provide safe, reliable products and high-quality services for customers around the world.

Adhering to the business philosophy of "Customer-Oriented, Quality-First, Integrity-Based and Continuous Improvement", the company is dedicated to creating maximum value for customers and building a better future with them.

-  苏州安来强电子科技有限公司
SuZhou ALQ Electronic Technology CO.,LTD.
-  地址：中国江苏省苏州市
Address: Suzhou City, Jiangsu Province, China
-  成立日期：2013年11月25日
Date of Establishment: November 25, 2013
-  资质：高新技术企业、专精特新企业、ISO9001、IATF16949
Qualification: H&NTE, SRPI Enterprise, ISO9001、IATF16949
-  主营产品：直流开关电器、配电模块
Main Products: DC Switchgear, Power Distribution Modules

文化 Culture

经营理念

客户为本、品质至上
诚实守信、持续改善

Business Philosophy

Customer-Oriented, Quality-First
Honest and Trustworthy, Continuous Improvement



企业使命

致力于：
为全球提供更安全、可靠的直流开关电器；
为客户创造最大价值；
为员工提供最佳的生涯发展平台；
为实业强国而努力奋斗。

Corporate Mission

We are committed to:
Providing safer and more reliable DC switchgear to the global market;
Creating maximum value for customers;
Offering the best career development platform for employees;
Striving for the prosperity of the manufacturing industry and the strength of the nation.



企业价值观

客户为本、团队合作
艰苦奋斗、危机意识
自我批判、诚实正直

Corporate Values

Customer-Oriented, Teamwork
Hard Work, Crisis Awareness
Self-Criticism, Integrity

专利 Patent



公司拥有103项产品专利，其中发明专利15项。
The company holds 103 product patents, including 15 invention patents.



工厂 Factory

前台
Front Desk



展厅
Exhibition Hall



办公室
Office



会议室
Meeting Room



自动装配线
Automated Assembly Line



自动测试线
Automatic Test Line



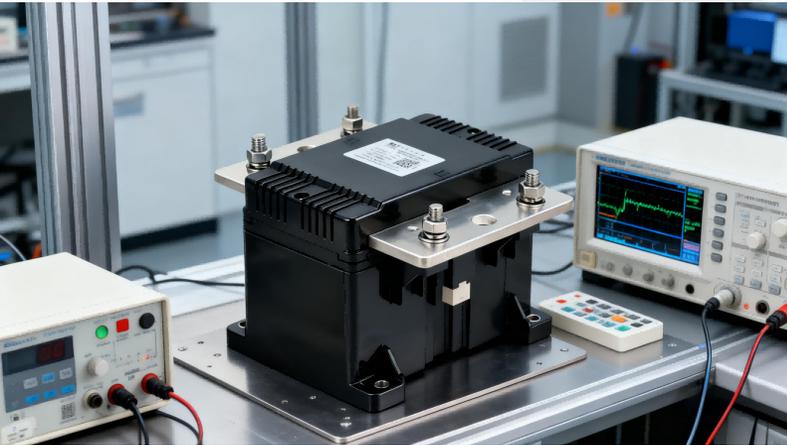
自动真空烘箱
Automatic Vacuum Oven



生产车间
Production Workshop



测试 Test



安来强实验室配备了先进的测试设备和专业的技术团队，以确保我们的产品符合标准和客户要求，同时为我们的产品研发提供了强有力的支持。

ALQ Laboratory is equipped with advanced testing equipment and a professional technical team to ensure that our products meet standards and customer requirements, and at the same time, provide strong support for our product research and development.

实验室主要测试项目

1. 电寿命测试（阻性负载）
2. 电寿命测试（容性负载）
3. 机械寿命测试
4. 温升测试
5. 高温和低温测试
6. 盐雾测试
7. 跌落测试
8. 拉力测试
9. 振动/冲击测试
10. 电气参数测试

Main Testing Items of the Laboratory

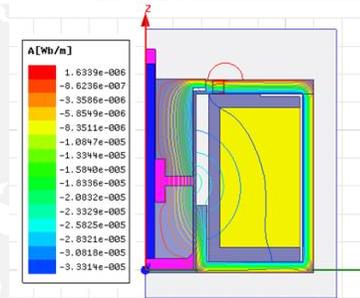
1. Electrical Life Test (Resistive Load)
2. Electrical Life Test (Capacitive Load)
3. Mechanical Life Test
4. Temperature Rise Test
5. High and Low Temperature Tests
6. Salt Spray Test
7. Drop Test
8. Tensile Test
9. Vibration/Shock Test
10. Electrical Parameter Test

研发 R&D

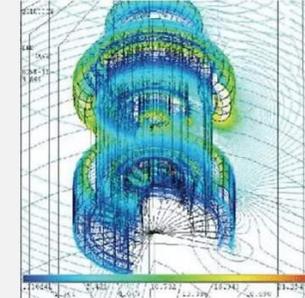


- 我们具有较强的研发能力，拥有一支经验丰富的研发团队，使用专业的产品设计软件，配备先进的测试设备，采用APQP管理流程，确保新产品研发的高效与高品质。
- 我们始终贴近客户需求，不断研究客户行业的控制系统，我们比客户更了解客户，不断为客户提供更优的直流接触器解决方案。

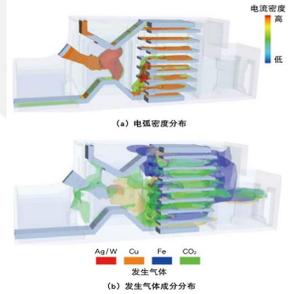
- We possess strong R&D capabilities, with an experienced R&D team, professional product design software, and advanced testing equipment. We adopt the APQP management process to ensure high efficiency and high quality in the R&D of new products.
- We always stay close to customer needs, continuously research the control systems in customers' industries, and understand customers better than themselves. We keep providing customers with more optimized DC contactor solutions.



磁场仿真
magnetic field
simulation



电场仿真
electric field
simulation



电弧运动仿真
arc motion
simulation

计划和确定
项目
Planning
and Defining
the Project

产品设计
开发和验证
Product
Design,
Development
and Validation

过程设计
开发和验证
Process
Design,
Development
and Validation

产品和过
程确认
Product and
Process
Validation

反馈、评定
和纠正措施
Feedback,
Evaluation and
Corrective Actions

APQP



直流接触器是专为直流电路设计的电气控制元件，核心功能是实现直流电路的可靠通断与安全控制。

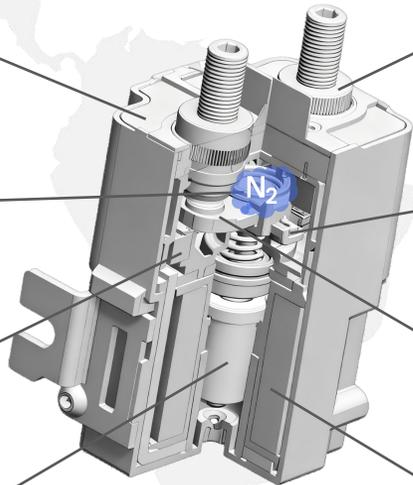
DC contactor is an electrical control component specifically designed for DC circuits, with its core function of achieving reliable on-off operation and safe control of DC circuits.

环氧树脂，用于密封。
Epoxy adhesive, used for sealing.

氮气，用于抑制电弧的产生。
Nitrogen, used to suppress the generation of electric arcs.

永磁体，用于熄灭电弧。
Permanent magnet, used for arc extinction.

铁芯，用于驱动动触点运动。
Iron core, used to drive the movement of the moving contact.



主触点，用于导电和连接负载。
Power contact, used for conducting electricity and connecting loads.

辅助触点，用于反馈主触点的状态。
Auxiliary contact, used to feedback the state of the main contact.

动触点，用于连接电路。
Moving contact, used to connect the circuit.

线圈，用于提供电磁吸力。
Coil, used to provide electromagnetic attraction.

开关 Switch



开关 Switch

机械开关 Mechanical Switch



例如：继电器、接触器、断路器等
For example: Relay, Contactor, Circuit Breaker

电子开关 Electronic Switch



例如：MOS、IGBT、固态继电器等
For example: MOS, IGBT, SSR



EVQ Series

环氧封装直流接触器 Epoxy-Encapsulated DC Contactor

环氧封装直流接触器专为高负载电压、高防护等级及高可靠性设计，是您的工业车辆、直流充电桩、储能系统（ESS）、高压变频器、电池测试设备、不间断电源（UPS）等高压直流系统的理想之选。

The epoxy-encapsulated DC contactor is designed for high load voltage, high protection level, and high reliability, making it the best choice for your industrial vehicles, DC charging pile, energy storage system, high-voltage frequency converter, battery testing equipment, uninterruptible power supply, and other high-voltage DC systems.



EVD Series

空气式直流接触器 Air-Type DC Contactor

EVD 系列直流接触器专为低电压直流控制系列设计。该系列直流接触器具备卓越的容性负载浪涌耐受能力，可有效防止主触点发生熔焊。

The EVD Series DC Contactors are specifically designed for low-voltage DC control systems. This series of DC contactors features excellent resistance to capacitive load surges, effectively preventing the main contacts from welding.

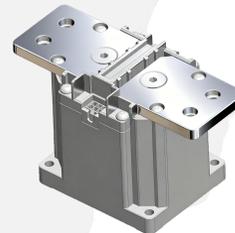


EVC Series

密封直流接触器 Sealed DC Contactor

EVC 系列直流接触器专为工业车辆、高压变频器及 PCS（功率转换系统）设计。该系列直流接触器具备卓越的容性负载浪涌耐受能力，可有效防止主触点发生熔焊。

The EVC series DC contactors are specifically designed for industrial vehicles, high-voltage frequency converters, and PCS (Power Conversion Systems). This series of DC contactors features excellent resistance to capacitive load surges, ensuring that the power contacts are less prone to welding.



EVH Series

陶瓷封装直流接触器 Ceramic-Encapsulated DC Contactor

EVH 系列直流接触器在高电压负载下进行带载切换具有卓越的表现。

The EVH series DC contactors demonstrate outstanding performance in on-load switching under high-voltage loads.

- **产品优势：**体积小、寿命长、温升高、抗容焊、安装便捷、安全可靠，等。
- **针对性的产品：**我们依据不同行业的需求与痛点提供针对性的产品。
- **认证齐全：**我们的产品面向全球销售，已通过CCC, UL, CE, TÜV认证。
- **Product advantages:** small size, long service life, low temperature rise, anti-welding, easy installation, safety and reliability, etc.
- **Targeted products:** We provide targeted products based on the needs and pain points of different industries.
- **Full Certifications Obtained:** Our products are sold globally and have passed CCC, UL, CE, and TÜV certifications.



宏观市场 Macro-Market



储能侧
Energy Storage Side



充电侧
Charging Side



动力侧
Power Side



电池生产侧
Battery Production Side



动力电池
Power Battery

直流电路 | 安全通断 | 安来强强

For DC Circuits | Safe Switching | ALQ Stronger

全球电动化时代已来临，且发展迅速。

在以动力电池为核心的电动化产业链众多（详见左图），主要包括：储能侧、充电侧、动力侧、电池生产侧等。

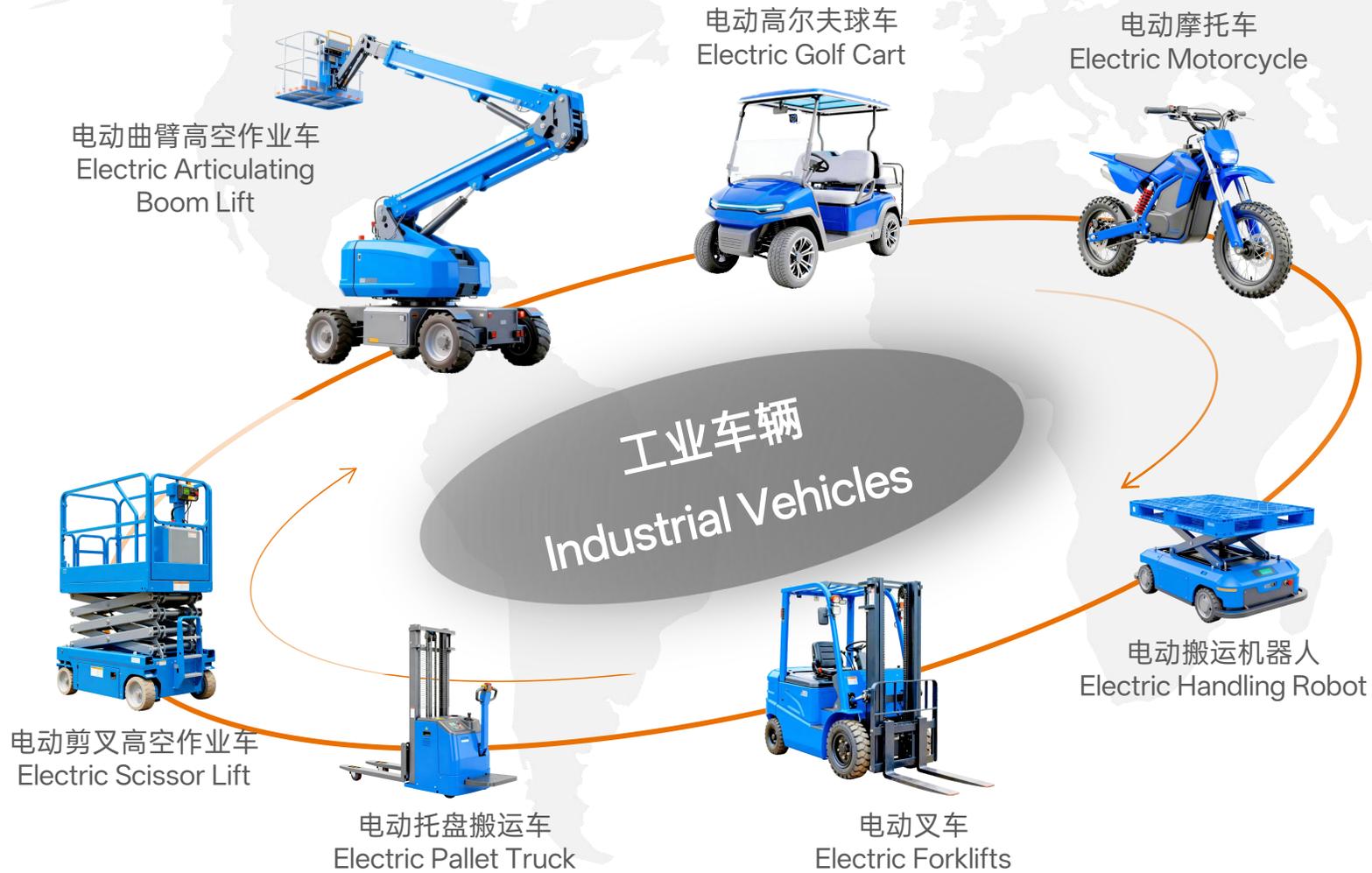
“直流接触器/继电器”做为直流电路的智能控制开关是电动化产业链中不可替代的关键元器件，起着举足轻重的作用。

The era of global electrification has arrived and is developing rapidly.

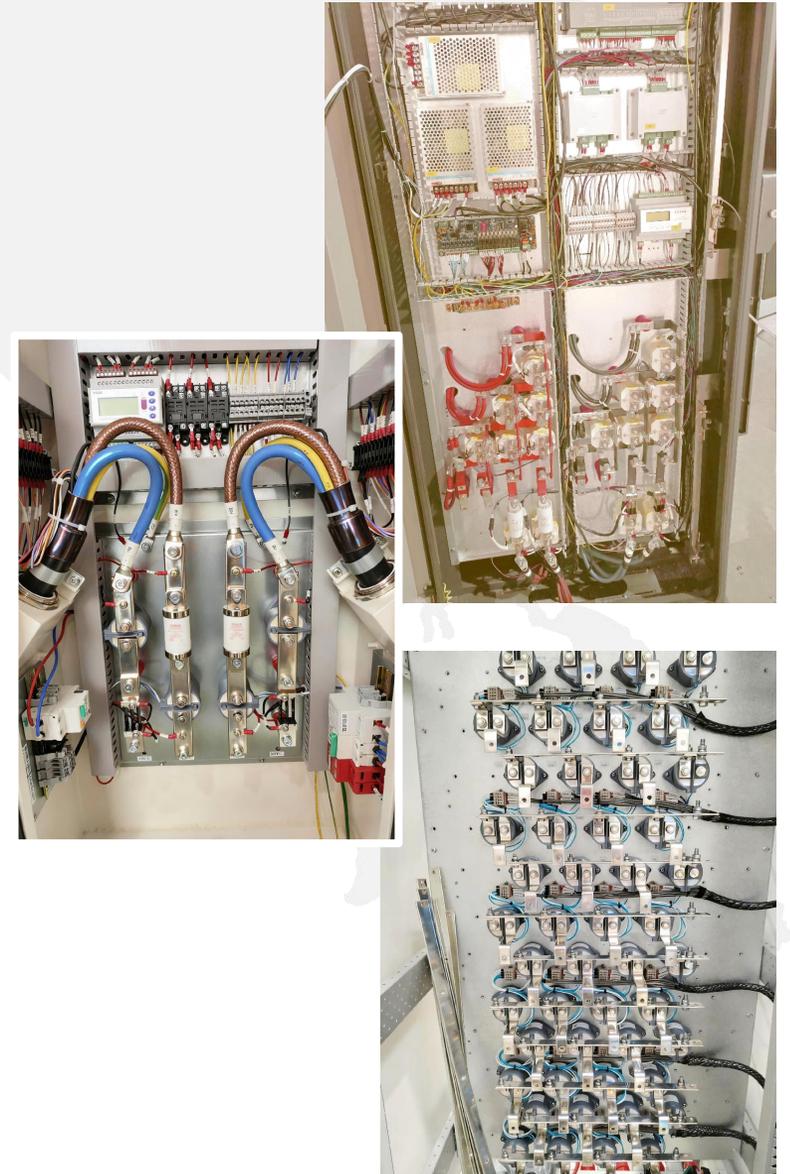
In the numerous sectors of the electrification industry chain centered on power batteries (see the left diagram for details), the main sectors include: energy storage, charging, power, and battery production.

As intelligent control switches for DC circuits, "DC contactors/relays" are irreplaceable key components in the electrification industry chain and play a pivotal role.

细分市场 Segmented Market



细分市场 Segmented Market



细分市场 Segmented Market



小型储能 (户用储能)
Small-scale Energy Storage
(Residential Energy Storage)

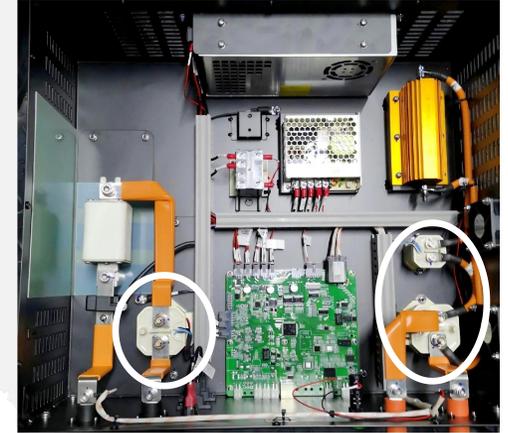


中型储能 (工商业)
Medium-scale Energy Storage
(Industrial and Commercial)

储能系统 (ESS)
Energy Storage System



大型储能 (发电侧、电网侧)
Large-scale Energy Storage
(Generation-side, Grid-side)



细分市场 Segmented Market



变频设备

Frequency Conversion Equipment

变频设备典型应用：高压变频器、储能变流器（PCS）、工业整流电源等。

Typical applications of frequency conversion equipment: high-voltage frequency converters, power conversion system (PCS), and industrial rectifier power supplies, etc.



工业设备

Industrial Equipment



不间断电源（UPS）

Uninterruptible Power Supply



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合作客户 Partner Client

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工业车辆行业 Industrial Vehicle Industry



赣锋锂业
GanfengLithium

Gen-song
井松智能 Gen-song Intelligent

SINOBOOM
星邦重工

NOBLELIFT
诺力



RoyPow® 乐亿通

充电桩行业 Charging Pile Industry



储能行业 Energy Storage Industry



协能科技



科工电子



华塑



拓邦



德赛电池



宗申动力
ZONSEN POWER



Lithium Valley
technology



禾望电气
Hopewind



SUNWODA
欣旺达



沃太能源
Alpha-ESS



ALQ
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产品与服务优势 Product and Service Advantages

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优质的产品

High-Quality Product

我们采用 IATF16949 质量管理体系，通过精细化管理与自动化设备保障产品质量。

We adhere to the IATF16949 quality management system and ensure product quality through refined management and automated equipment.

02

可定制化产品

Customizable products

我们深入了解客户的控制系统，能够根据客户需求快速定制产品。

We have a deep understanding of our customers' control systems and can quickly customize products according to their needs.

03

快速的产品交付

Customizable products

我们具备充足的生产产能，可在较短时间内完成大批量订单交付。

We have sufficient production capacity and can complete the delivery of large-volume orders in a relatively short time.

04

专业的技术服务

Professional technical services

我们拥有专业的工程师团队，能够快速解答客户提出的产品技术问题。

We have a professional team of engineers who can quickly answer product technical questions raised by customers.

我们的服务宗旨
Our service tenet



Fast



Professional



Standardized

了解详情，请浏览公司官网。
For further information, please refer to the company's official website.

www.alq-dccontactor.com

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感谢

THANKS

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Province, China, Factory Building No. 4, Floor 4 North

安来强科技