ONEWOD 明电
一个地球 一个家

深圳市明电环球科技有限公司
SHENZHEN GLOTRONICS TECHNOLOGY CO.,LTD
惠州市明电能源技术有限公司
HUIZHOU GLOTRONICS ENERGY TECHNOLOGY CO., LTD

2025企业简介
2025 CORPORATE PROFILE



2005年
正式注册成立
It was officially incorporated in 2005

20+年
锂电池生产经验
20 years of experience in lithium battery production

30000+平方米
研发场地
30000 square meters of r&d space

60+项
专利认证
More than 80 patents have been certified

100+
服务行业
Served more than 100 industries

200+
生产人员
More than 500 production staff

集团简介
Group Profile>>

明电集团正式成立于2005年，是一家集锂电池产品的研发、生产、销售于一体的国家级高新技术企业与专精特新企业，公司总部位于深圳市宝安区，并在北京、上海、广州等城市设有分支机构和商务代办处。集团旗下有深圳市明电环球科技有限公司、惠州市明电能源技术有限公司和深圳市明电电力电子技术有限公司三家子公司、及多家控股公司。其中，明电环球主要从事技术研发、方案提供、产品销售等业务，作为集团的营运中枢；明电能源主要从事生产制造业务，作为集团的生产基地；明电电力电子提供储能系统产品业务。

我们已经历了20多年的行业沉淀，从锂电池正极材料、电芯、BMS、Pack等全产链业务均有涉足，先后服务过100多个细分行业、2000多家客户，并拥有80多项核心技术专利！目前，我们的主要业务聚焦于二次锂离子电池应用解决方案与产品延申服务，产品已经覆盖全球30多个国家和地区，包括国内21个省市自治区的100多家客户，其中大型央企、国企10多家；国内代理商19家；欧洲、美洲、台湾、香港等地区合作的客户超过30家，均获得了客户的一致好评和良好的商誉口碑。

Founded in 2005, Mingdian Group is a national high-tech and "specialized, refined, differential & innovative" enterprise integrating R&D, production and sales of lithium battery products. Headquartered in Bao'an District, Shenzhen, it has branches and business offices in Beijing, Shanghai, Guangzhou and other cities. The group has three subsidiaries—Shenzhen Mingdian Global Technology Co., Ltd., Huizhou Mingdian Energy Technology Co., Ltd., and Shenzhen Mingdian Power Electronics Technology Co., Ltd.—as well as multiple holding companies. Among them, Mingdian Global, as the group's operation core, focuses on R&D, solution provision and product sales; Mingdian Energy, as the production base, engages in manufacturing; and Mingdian Power Electronics provides energy storage system products.

With over 20 years of industry experience, we cover the entire lithium battery industrial chain including cathode materials, cells, BMS and Pack. We have served more than 80 sub-sectors and 2,000+ customers, and hold over 20 core technology patents. Currently, our core business focuses on secondary lithium-ion battery application solutions and extended product services. Our products are available in over 30 countries and regions globally, serving over 100 customers in 21 domestic provinces/municipalities/autonomous regions (including 10+ large central SOEs), 19 domestic agents, and over 30 cooperative customers in Europe, America, Taiwan and Hong Kong, winning consistent recognition and a sound reputation.

企业文化
Corporate Culture

以服务客户为核心
Customer Service as the Core>>

柔性生产、打样快捷，新产品开发打样10天时间，最快可以5天交样；量产产品全面实行EMS生产信息化管理系统，让每一块电池都投入了保险，平安保险公司为产品质量承担1000万元的赔偿责任，充分保障了用户的权益。

Flexible production, fast proofing, new product development proofing 10 days, the fastest can be delivered in 5 days; Mass production products fully implement the EMS production information management system, so that each battery has been invested in insurance, Ping An Insurance company for product quality to assume 10 million yuan of compensation liability, fully protect the rights and interests of users.



企业使命:
追求全体员工物质与精神双幸福的同时,为客户提供长效洁净电能,守护人类绿色家园，让地球降温。

企业愿景:
成为全国电池行业差异化应用第一名。

企业价值观:
奋斗为本，客户至上，长期主义，责任担当。

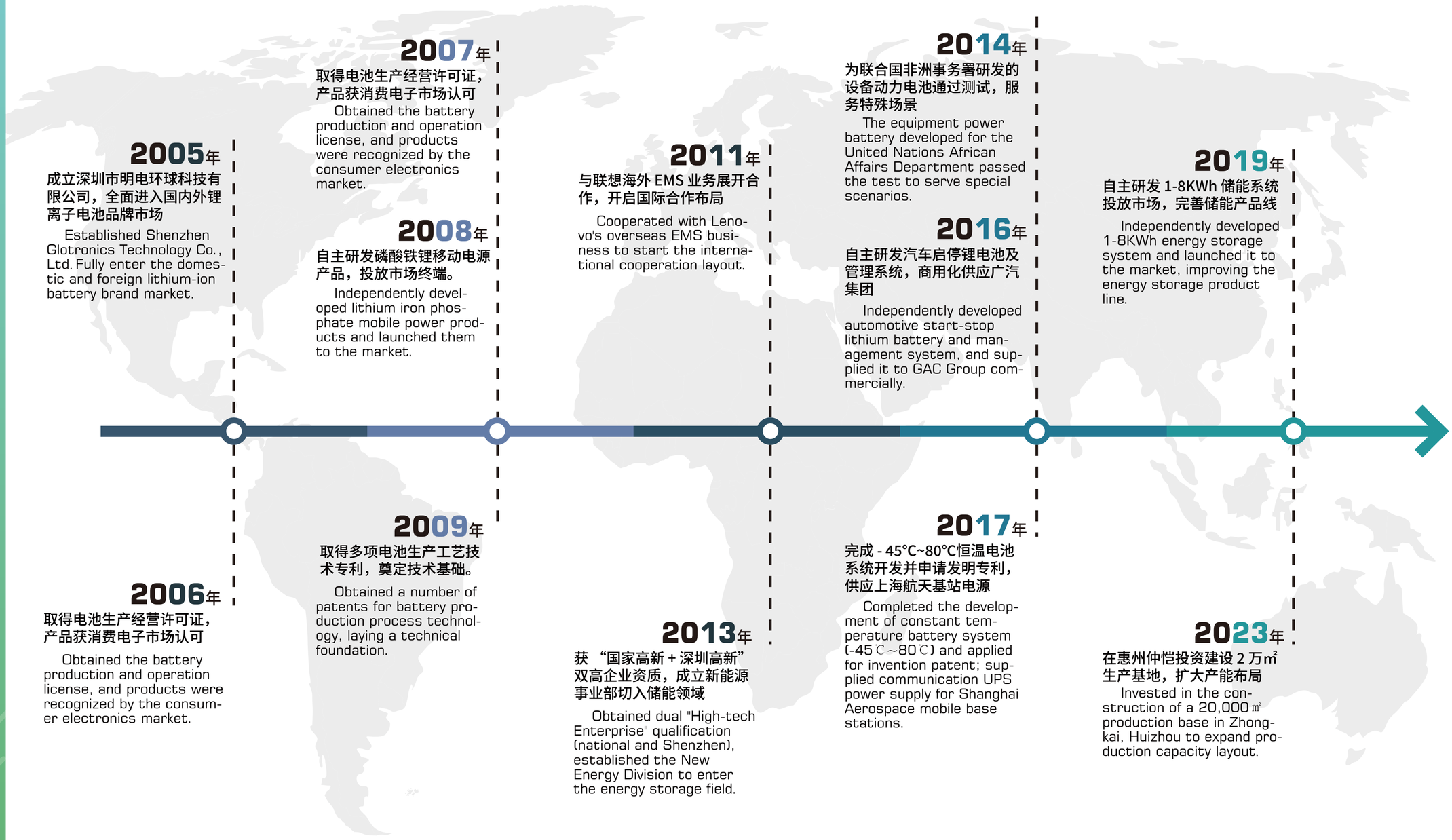
Corporate Mission:
While pursuing the material and spiritual happiness of alstaff, we provide customers with long-term clean elect-ricity. protect human green homes, and cool the earth.

Corporate Vision:
Become the first differentiated application In the natio-nal battery industry.

Corporate Values:
Strive for this, customer first, long-term doctrine, res-ponsibility.

企业发展大事记

Business development chronicle



2005年

成立深圳市明电环球科技有限公司，全面进入国内外锂离子电池品牌市场

Established Shenzhen Glotronics Technology Co., Ltd. Fully enter the domestic and foreign lithium-ion battery brand market.

2006年

取得电池生产经营许可证，产品获消费电子市场认可

Obtained the battery production and operation license, and products were recognized by the consumer electronics market.

2007年

取得电池生产经营许可证，产品获消费电子市场认可

Obtained the battery production and operation license, and products were recognized by the consumer electronics market.

2008年

自主研发磷酸铁锂移动电源产品，投放市场终端。

Independently developed lithium iron phosphate mobile power products and launched them to the market.

2009年

取得多项电池生产工艺技术专利，奠定技术基础。

Obtained a number of patents for battery production process technology, laying a technical foundation.

2011年

与联想海外 EMS 业务展开合作，开启国际合作布局

Cooperated with Lenovo's overseas EMS business to start the international cooperation layout.

2013年

获 “国家高新 + 深圳高新” 双高企业资质，成立新能源事业部切入储能领域

Obtained dual "High-tech Enterprise" qualification (national and Shenzhen), established the New Energy Division to enter the energy storage field.

2014年

为联合国非洲事务署研发的设备动力电池通过测试，服务特殊场景

The equipment power battery developed for the United Nations African Affairs Department passed the test to serve special scenarios.

2016年

自主研发汽车启停锂电池及管理系统，商用化供应广汽集团

Independently developed automotive start-stop lithium battery and management system, and supplied it to GAC Group commercially.

2017年

完成 - 45℃~80℃恒温电池系统开发并申请发明专利，供应上海航天基站电源

Completed the development of constant temperature battery system (-45℃~80℃) and applied for invention patent; supplied communication UPS power supply for Shanghai Aerospace mobile base stations.

2019年

自主研发 1-8KWh 储能系统投放市场，完善储能产品线

Independently developed 1-8KWh energy storage system and launched it to the market, improving the energy storage product line.

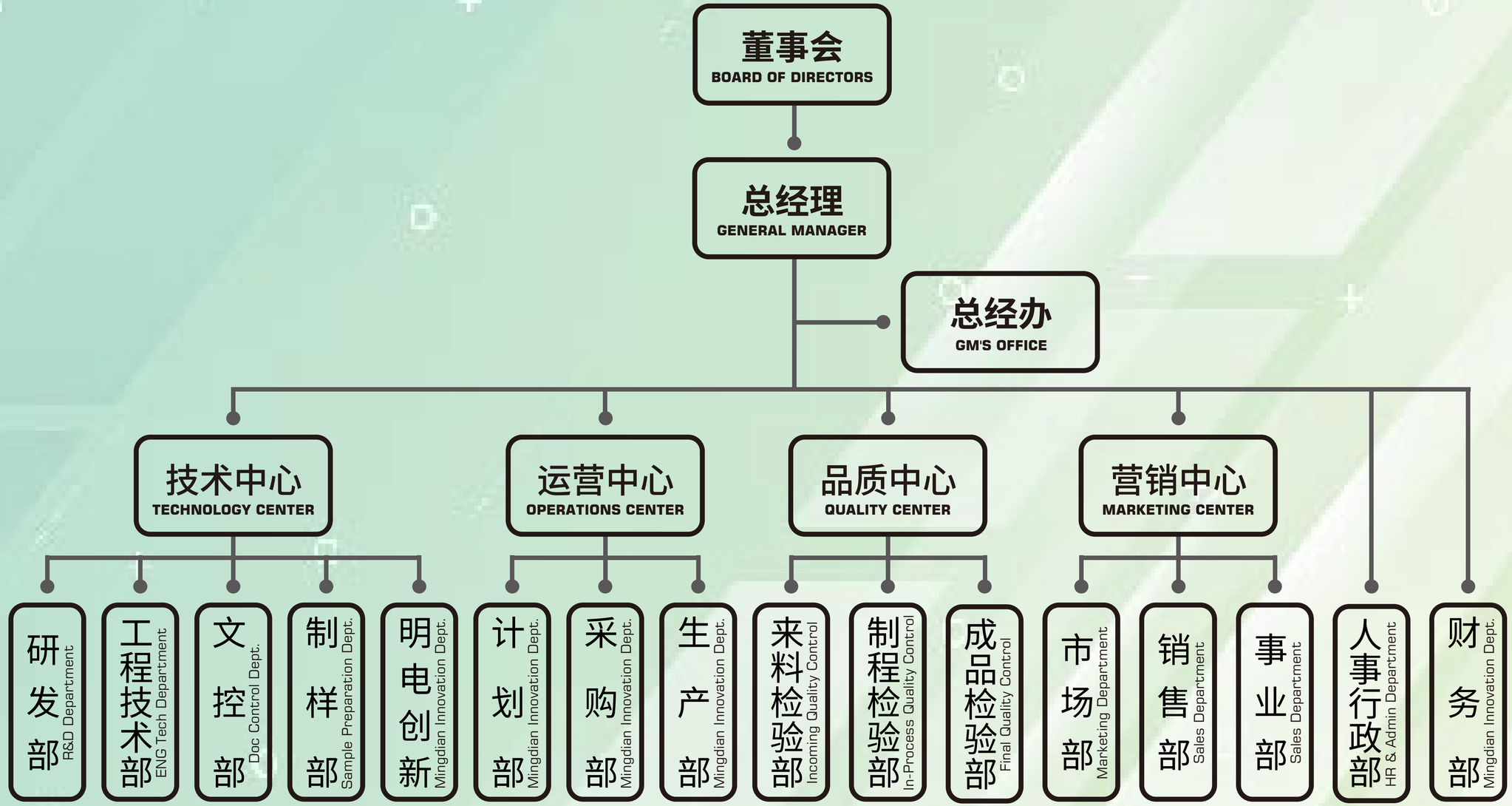
2023年

在惠州仲恺投资建设 2 万㎡ 生产基地，扩大产能布局

Invested in the construction of a 20,000㎡ production base in Zhongkai, Huizhou to expand production capacity layout.

组织架构

Organizational Structure



客户见证

Customer witness



PHILIPS 飞利浦

Walmart 沃尔玛

lenovo 联想

海军某部

上海航天 SHANGHAI AEROSPACE

宝安公安分局

小米

收钱吧

机器岛 JIQIDAO

飞天诚信

广汽研究院 GAC R&D CENTER

大运集团

金彭 JINPENG

中国大唐

EXPRESS 顺丰速运

DREAME 追觅

ORIONSTAR 猎户星空

SwitchBot 卧安科技

LNDU 凌度集团

sunking.

赛维时代 SAILVAN TIMES

LONGTECH 朗特

townew

leiming 雷铭

骆驼股份 CAMEL GROUP

AUKEY

优地集团 Excelland Group

silver star

淮海控股集团 HUAIHAI HOLDING GROUP

瀚镪股份 HANQIANG STOCKS

荣誉专利 企业认证

Honorary Patents Corporate Certifcation



长安大学校企学研教育基地
Chang 'an University school enterprise study and research education base



国家级高新技术企业
China's national high-tech enterprises



深圳市高新技术企业
China Shenzhen high-tech enterprises



中国移动机器人(AGV)产业联盟会员单位
China Mobile Robot (AGV) industry alliance member unit



上海航天电源技术产品测试中心
Shanghai aerospace power supply technology product test center



安全生产标准化三级企业
Safety production standardization level three enterprises



锂离子电池设计生产服务认证证书
Lithium ion battery design and production service certification



职业健康安全管理证书

Occupational Health and Safety Management certificate



环境管理体系认证证书

Environmental management system certification



带收音/mp3播放的光储系统著作权登记证书
Optical storage system with radio/mp3 playback copyright registration certificate



锂电池GPS防丢管理系统著作权登记证书
Lithium battery GPS anti-loss management system copyright registration certificate



新型隔膜锂离子电池专利证书
New diaphragm lithium-ion battery patent certificate



无线充电技术专利证书
Wireless charging technology patent certificate



电池外壳热管理系统专利证书
Patent certificate for battery housing thermal management system



汽车启动电池散热防震结构专利证书
Automobile start battery heat dissipation anti-shock structure patent certificate



高功率锂离子动力电池组专利证书
High power lithium-ion power battery patent certificate

公司研发能力

Company's R & D capability











研究和开发体系

Research and Development system>>

构建 “预研 - 立项 - 设计 - 开发 - 试制” 全流程闭环研发体系，以严谨的精工工匠精神，实现从技术构想至产品落地的高效转化，为产品品质与生产稳定性提供核心支撑。

Build a full-process closed-loop R&D system of "pre-research - project approval - design - development - trial production", and realize the efficient transformation from technical conception to product implementation with rigorous craftsmanship spirit, providing core support for product quality and production stability.

生产能力展示
Production Capacity Display



生产设备展示
Production equipment display>>

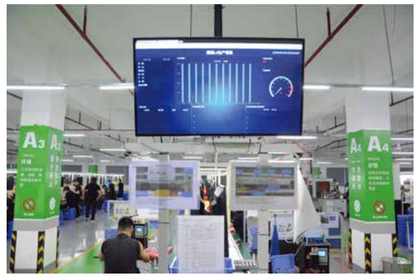
拥有 30000+㎡现代化生产基地（含惠州新基地），配备全自动电芯组装线、Pack 生产线、激光焊接设备、自动化分拣设备等，200 + 生产人员实现规模化、标准化生产；量产环节全面采用 EMS 生产信息化管理系统，实时监控生产全流程，确保每一块电池生产参数可追溯。

With a 30,000+㎡ modern production base, equipped with fully automatic cell assembly lines, Pack production lines, laser welding equipment, automatic sorting equipment, etc., more than 500 production staff realize large-scale and standardized production; the mass production link fully adopts the EMS production information management system to monitor the entire production process in real time and ensure the traceability of production parameters of each battery.

标准化生产管理
Standardized Production Management>>

全流程执行 SOP 标准作业流程，量产环节采用 EMS 生产信息化管理系统实现参数全追溯，关键设备定期校准、全工序设质量巡检节点，同时通过 ISO 9001/14001/OHSAS 18001 体系认证，确保生产规范化与产品稳定性。

SOP standard operating procedures are implemented throughout the process; the EMS production information management system is used in mass production to realize full parameter traceability. Key equipment is calibrated regularly, quality inspection nodes are set in all processes, and ISO 9001/14001/OHSAS 18001 certifications are obtained to ensure production standardization and product stability.





生产设备展示

Production equipment display





大体积电池全流程全自动生产线
Large volume battery full process automatic production line



一体式自动化生产线
Integrated automatic production line



激光焊接机
Laser welding machine

生产设备展示

Production equipment display



全自动分选点焊生产线
Automatic sorting spot and welding production line



电芯自动分选机
Batteries automatic sorting machine



电池模组自动焊接机
Automatic welding machinefor battery module



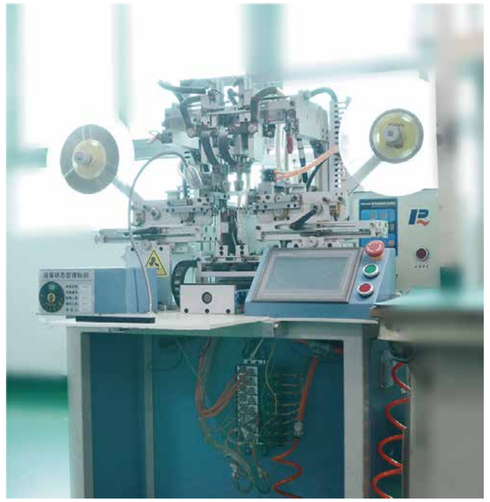
半自动龙门焊接机
Semi-automatic gantry welding machine



电池模组喷码机
The battery module spurtthe code machine



柱状电池贴标机
Columnar battery labeling machine



电路板自动焊接机
Circuit board of automatic welding machine



模组自动打胶机
Module automatic gluing machine

检测能力展示

Display of detection capability

原料检测与 5S 管理

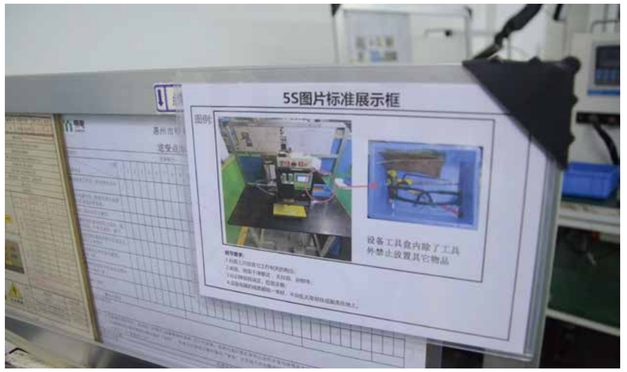
Raw Material Inspection & 5S Management>>

建立严格原料准入机制，对正极材料、电芯等核心原料进行成分、纯度、稳定性全项检测；同时推行设备 5S 标准化管理，每日清洁校准设备、清晰划分检测区域，从源头保障检测精度与生产环境规范。

A strict raw material access mechanism is established to conduct full-item testing on core raw materials such as cathode materials and cells for composition, purity and stability. At the same time, 5S standardized management of equipment is implemented, including daily cleaning and calibration of equipment and clear division of testing areas, to ensure testing accuracy and standardized production environment from the source.





















成品全维度测试

Full-dimensional Finished Product Testing>>

实验室可提供电池性能容量、循环寿命等、电子电气 ESD、保护板功能等、环境模拟高低温、振动等、安全性能针刺、过充、浸水等全维度测试，通过极苛刻的检测验证成品可靠性，是国内少数能全部通过行业破坏性测试的企业。

The laboratory can provide full-dimensional tests including battery performance (capacity, cycle life, etc.), electrical (ESD, BMS function, etc.), environmental simulation (high-low temperature, vibration, etc.) and safety (puncture, overcharge, immersion, etc.). It verifies the reliability of finished products through extremely harsh tests and is one of the few domestic enterprises that can pass all industry destructive tests.

生产检测设备展示

Production testing equipment display



电池老化测试系统
Battery aging test system



电池老化测试系统
Battery aging test system



成品电池模组综合测试系统
The fnished battery module integrated test system



电池老化测试系统
Battery aging test system



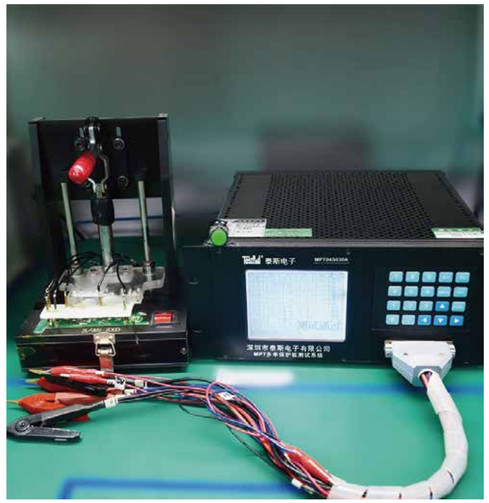
电池老化测试系统
Battery aging test system



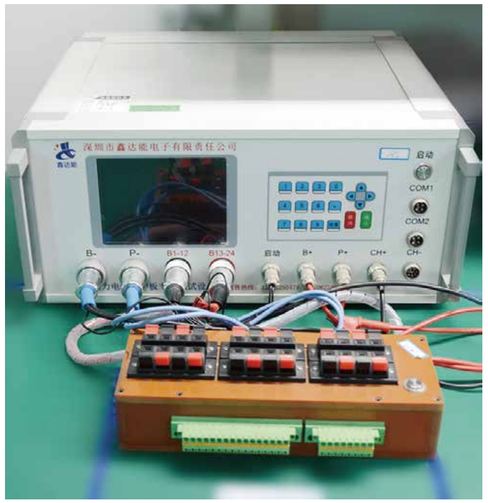
拉力测试仪
Tension tester

生产检测设备展示

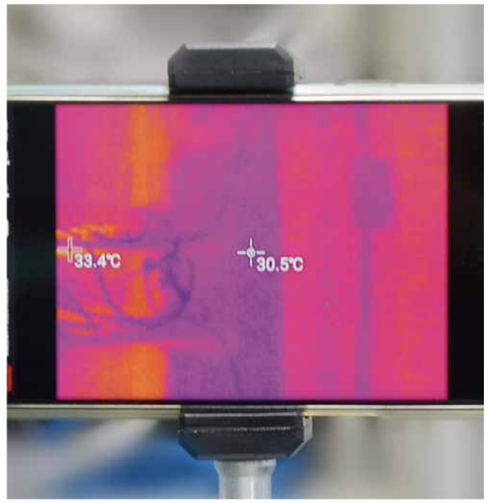
Production testing equipment display



BMS系统测试仪
BMS system tester



保护板测试仪
PCM Tester



热成像分析系统
Thermal imaging analysis system



双频/高频示波器
Dual frequency/high
frequency oscilloscope



电池负载仪
Battery load tester



模拟运输震动台
Simulated transport shaking table

测试验证设备

Test and verification equipment



恒温环境测试箱
Constant temperature environment test box



热冲击测试箱
Thermal shock test box



环境盐雾测试仪机
Environmental salt spray tester



负压真空测试箱
Negative pressure vacuum test chamber



大功率放电负载测试仪
High power discharge load teste



ESD静电放电发生器
ESD Electrostatic discharge generator



锂电池检测保养系统 (自研)
Lithium battery Detection and Maintenance



测损工业CCD相机
Industrial CCD camera for damage measurement



储能产品系列

C&I EESS PRODUCT SERIES



产品应用--户外移动电源

适用于户外露营用电等储能电池

Product Application - Outdoor Mobile Power Bank

Suitable for energy storage batteries such as outdoor camping electricity



典型产品参数/Typical product parameters

产品型号(Product model): MKD300A	标准电压(Standard voltage): 12V
尺　寸(Size): L250 x W100 x H180(mm)	标准容量(Standard capacity): 333Wh
重　量(Weight): 2.6kg	电池类型(Battery type): 磷酸铁锂(LiFePO4)



产品应用--户外移动电源

适用于户外露营用电等储能电池

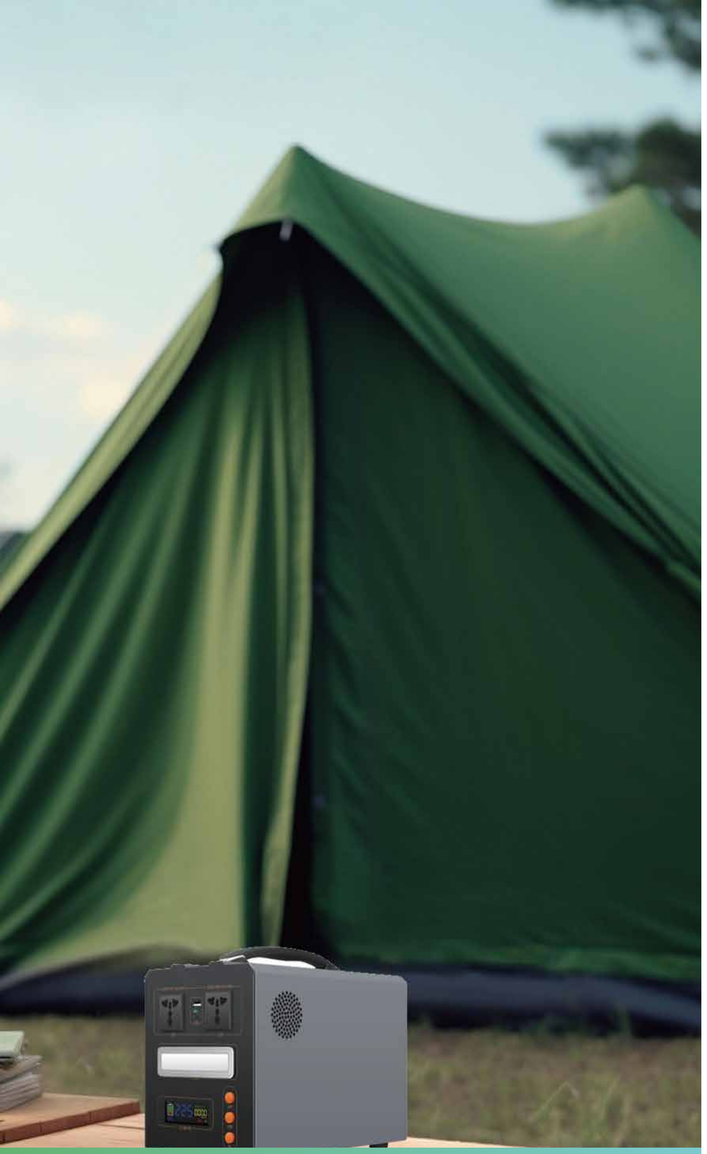
Product Application - Outdoor Mobile Power Bank

Suitable for energy storage batteries such as outdoor camping electricity



典型产品参数/Typical product parameters

产品型号(Product model): MKD500A	标准电压(Standard voltage): 12V
尺　寸(Size): L250 x W185 x H220(mm)	标准容量(Standard capacity): 512Wh
重　量(Weight): 3.2 kg	电池类型(Battery type): 磷酸铁锂(LiFePO4)



产品应用--户外移动电源

适用于户外露营用电等储能电池

Product Application - Outdoor Mobile Power Bank

Suitable for energy storage batteries such as outdoor camping electricity



典型产品参数/Typical product parameters

产品型号(Product model): MKD600A	标准电压(Standard voltage): 24V
尺　寸(Size): L285 x W178 x H220(mm)	标准容量(Standard capacity): 0.6KWh
重　量(Weight): 3.75 kg	电池类型(Battery type): 磷酸铁锂(LiFePO4)



产品应用--机架式储能

适用于通信基站、工商业储能、备用电源等场景

Product application - Rack mounted energy storage

It is suitable for communication base stations, industrial and commercial energy storage, standby power supply and other scenarios



典型产品参数/Typical product parameters

产品型号(Product model): MKD-J48170L	标准电压(Standard voltage): 51.2V
尺　寸(Size): L620 x W482 x H178(mm)	标准容量(Standard capacity): 170Ah
重　量(Weight): 64kg	电池类型(Battery type): LiFePO4



产品应用--立式一体机储能

适用于家庭绿电、备用电源等场景

Product Application - Vertical Integrated Machine Energy Storage

Applicable to scenarios such as household green power and backup power supply



典型产品参数/Typical product parameters

产品型号(Product model): MKD-51.2V314AH	标准电压(Standard voltage): 51.2V
尺　寸(Size): L867 x W450 x H260(mm)	标准容量(Standard capacity): 314Ah
重　量(Weight): 128 kg	电池类型(Battery type): 磷酸铁锂(LiFePO4)



产品应用--工商业储能

适用于新能源发电侧并网， 参与调峰、调频等电力辅助服务或用户侧工业调峰

Product application - C&I energy storage

It is suitable for grid-connected new energy generation side, participating in auxiliary power services such as peak regulation and frequency modulation, or industrial peak regulation on the user side



典型产品参数/Typical product parameters

产品型号(Product model): MKD-ECC100KW	标准电压(Standard voltage): 768V
尺　寸(Size): L1300 x W1100 x H2350(mm)	标准容量(Standard capacity): 223KWh
重　量(Weight): <2800kg	电池类型(Battery type): LiFePO4



产品应用--工商业储能

适用于新能源发电侧并网， 参与调峰、调频等电力辅助服务或用户侧工业调峰

Product application - C&I energy storage

It is suitable for grid-connected new energy generation side, participating in auxiliary power services such as peak regulation and frequency modulation, or industrial peak regulation on the user side



典型产品参数/Typical product parameters

产品型号(Product model): MKD-SESS-215K	标准电压(Standard voltage): 768V
尺　寸(Size): L1800 x W1200 x H2300(mm)	标准容量(Standard capacity): 215KWh
重　量(Weight): ≈3000kg	电池类型(Battery type): LiFePO4



产品应用--工商业储能

适用于新能源发电侧并网， 参与调峰、调频等电力辅助服务或用户侧工业调峰

Product application - C&I energy storage

It is suitable for grid-connected new energy generation side, participating in auxiliary power services such as peak regulation and frequency modulation, or industrial peak regulation on the user side



典型产品参数/Typical product parameters

产品型号(Product model): MKD-SESS-230K	标准电压(Standard voltage): 768V
尺　寸(Size): L1400 x W1360 x H2340(mm)	标准容量(Standard capacity): 230KWh
重　量(Weight): ≈3400kg	电池类型(Battery type): LiFePO4



产品应用--工商业储能

适用于新能源发电侧并网， 参与调峰、调频等电力辅助服务或用户侧工业调峰

Product application - C&I energy storage

It is suitable for grid-connected new energy generation side, participating in auxiliary power services such as peak regulation and frequency modulation, or industrial peak regulation on the user side



典型产品参数/Typical product parameters

产品型号(Product model): MKD-SESS-10MWh	标准电压(Standard voltage): 768V
尺　寸(Size): L3500 x W2440 x H2590(mm)	标准容量(Standard capacity): 10MWh
重　量(Weight): ≈15000kg	电池类型(Battery type): LiFePO4

见证案例展示

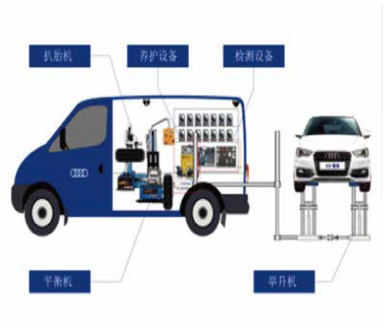
以下项目为我公司服务过的部分案例

Witness case display

The following projects are some of the cases that our company has served



柴油运输车驻车空调电源系统
Diesel transport vehicle parking air conditioning power supply system



救援车辆电力系统
Rescue vehicle electrical system



汽车智能启停电池
Intelligent car start-stop battery



电动车工程车锂电池
Electric vehicle engineering vehicle lithium battery



移动储能柜锂电池
Mobile energy storage cabinet lithium battery



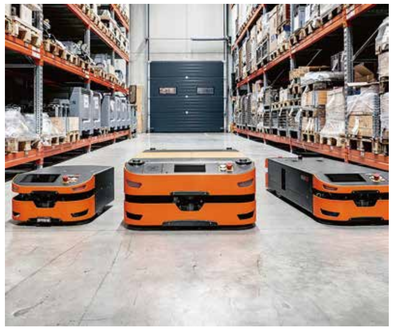
光储充储能柜锂电池
Lithium battery for photovoltaic charging and energy storage cabinet



移动通讯基站应急储能柜
Mobile (operator) communication base station emergency energy storage cabinet



户外大型移动电源锂电池
Outdoor large mobile power lithium battery



AGV机器人动力锂电池
AGV robot power lithium battery



超低温地区通讯基站后备电源
Ultra-low temperature area communication base station backup power supply



家庭储能系统
Home energy storage system



家庭堆叠式储能系统
Home stacked energy storage system





专业团队 免费开发 定制服务

我们依托先进的电池技术，建设成完善的技术团队和先进的实验测试中心，为产品的设计、开发、分析、验证提供了有力保障。我们不仅通过了ISO 9001、ISO 14001: 2015、OHSAS 18001: 2007等质量、环境、职业健康等体系认证产品还经过了严格的过充、穿刺、浸水、枪击等极苛刻的破环性实验，是目前国内为数不多能够全部通过的企业

Professional teams develop customized services free of charge

Relying on advanced battery technology, we have built a sound technical team and advanced experimental test center, which provides a strong guarantee for the design, development, analysis and verification of products. We have not only passed ISO 9001, ISO14001:2015OHSAS18001:2007 and other quality, environmental, occupational health and other system certification products have also gone through strict overcharge, puncture, water immersion, shooting and other extremely harsh breaking experiments, is currently one of the few domestic enterprises that can all pass



服务特色

Service characteristics

柔性定制

Flexible customization

免费开发，柔性生产。

按照客户的需求开发，针对客户行业、应用场景提供电源解决方案，提供方案定制——开发打样——测试验证——小批量生产等，一站式服务。

提供售前到售后一站式全方位的服务，4小时内响应，24小时提供方案、技术支持等。

Free development, flexible production.

According to customer needs development, provide power solutions for customer industries and application scenarios, provide solution customization - development proofing - test verification - small batch production, etc., one-stop service.

Provide pre-sales to after-sales one-stop comprehensive service, response within 4 hours, 24 hours to provide solutions, technical support, etc.

交货快捷

Quick delivery

最快一周交付，产能保证交期。规模化生产，柔性定制，灵活排期，标准件7~15天可交货，特殊需求可加急处理。

管理人员具备20多年锂电生产定制经验，具备将客户需求、概念转化为方案、图纸深化的能力，缩短开发周期。

The earliest delivery is one week, and the delivery time is guaranteed. Large- scale production, flexible customization, flexible scheduling, standard parts can be delivered in 7 to 15 days, special needs can be expedited.

The management staff has more than 20 years of experience in lithium production customization, and has the ability to transform customer needs and concepts into plans and drawings to deepen the development cycle.

品质保障

Quality assurance

国标级实验室检测，具备专业验证能力。

原材料均采用品牌大厂供货，全套锂电池生产检测设备，每个环节质检层层把控。

60+项锂电池发明专利，在锂电池的安全设计中借鉴了航天技术。

1000万平安保险承保。

National standard laboratory testing, with professional verification capabilities.

Raw materials are supplied by brand manufacturers, a full set of lithium battery production testing equipment, each link of quality control layer by layer.

60+ lithium battery invention patents, in the safety design of lithium batteries to learn from the aerospace technology.

10 million Ann insurance coverage.

谢谢观看！

Thank you for watching!

深圳市明电环球科技有限公司
SHENZHEN GLOTRONICS TECHNOLOGY CO.,LTD
惠州市明电能源技术有限公司
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