KinGin
广劲动力

# 东莞市广劲动力科技有限公司

Dongguan Kingin Power Co., Ltd.

## 公司简介及产品指南

Company Profile & Product Guide

专注锂电 Pack，高安全 | 宽温域 | 高倍率 | 智能化 | 全场景 定制开发

Specialized in Lithium Battery Packs, High Safety | Wide Temperature Range | High Rate | High Intelligent | Full-Scenario Custom Development

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页数 page

## 公司概述 Company Overview


公司简介 Company profile 2

业务范围 Business scope 3

组织架构 Organizational chart 4

合作客户 Cooperating Clients 4

合作供应商 Cooperative Supplier 4

企业历程 Company history 5

企业证书 Certifications 5


## 产品指南 Product Guide


电动摩托车电池 Electric motorcycle batteries 6

电动自行车电池 E-bike batteries 7

电动两轮车/换电柜电池 Two-wheeler & swapping station batteries 8

锂电替代铅酸 Drop-in Lithium Replacement for Lead-Acid 9

储能电池 Energy storage batteries 10

可充电5/7号电池 Rechargeable AA/AAA batteries 11

定制智能通信锂电池 Custom intelligent communication lithium battery 12

定制小型锂电池 Custom small lithium batteries 13

# 公司简介

**Company profile**

东莞市广劲动力科技有限公司成立于2018年，位于广东省东莞市凤岗镇，是一家专注锂电池PACK研发、制造与销售的国家高新技术企业，致力于向全球客户提供安全、可靠、高效、智能的锂电池产品及储能解决方案。




公司拥有专业的研发技术团队及完善的生产制造体系，具备从产品方案设计、样品开发到批量生产的综合服务能力。生产基地配备自动化封装、激光焊接及电池性能检测等专业设备，建立了规范的生产流程与质量管理体系，确保产品品质稳定、交付高效可靠。

我们秉承“品质为本、客户至上”的经营理念，凭借17项锂电池相关专利及多项软件著作权，公司持续推进技术创新与工艺优化，不断提升产品竞争力，致力于成为值得全球客户信赖的锂电池解决方案合作伙伴。

Dongguan Kingin Power Co., Ltd. was founded in 2018 and is located in Fenggang Town, Dongguan City, Guangdong Province. As a national high-tech enterprise specializing in the R&D, manufacturing and sales of lithium battery PACKs, we are committed to providing safe, reliable, efficient and intelligent lithium battery products and energy storage solutions for customers worldwide.




The company boasts a professional R&D team and a sound manufacturing system, with comprehensive service capabilities covering product scheme design, sample development and mass production. The production base is equipped with professional machines including automatic sealing machines, laser welding machines and battery performance testers. Standardized production procedures and quality management systems have been established to ensure stable product quality as well as efficient and reliable delivery.

We uphold the business philosophy of "Quality First, Customer Foremost". Holding 17 lithium battery-related patents and multiple software copyrights, we continuously promote technological innovation and process optimization, enhance product competitiveness, and strive to become a trusted lithium-battery-solution partner for global customers.

# 业务范围

**Business scope**

公司业务涵盖各大类锂电池PACK产品的定制研发、生产及定制，产品包括电动两轮车动力电池、智能换电柜电池、锂电替代铅酸、聚合物锂电池、便携式储能电池、可充电AA/AAA锂电池及其他定制化电池组，广泛应用于电动出行、共享换电、消费电子及储能等领域。

我们提供灵活的OEM/ODM定制服务，可根据客户需求定制电池电压、容量、尺寸、外壳结构、连接接口及BMS通信协议。从电芯选型、保护板匹配、结构设计到样品验证及批量交付，为客户提供一站式电池PACK解决方案。









公司已通过ISO9001质量管理体系与ISO14001环境管理体系认证。产品可提供CCC、CE、FCC、BIS、UL及EN50604-1等相关认证，具体适用范围以对应产品型号及有效文件为准，助力客户开拓国际市场。

The company's business covers customized R&D and manufacturing of various lithium-battery pack products. Our product portfolio includes power batteries for electric two-wheelers, batteries for intelligent battery swap cabinets, lead-acid-to-lithium replacement batteries, lithium polymer batteries, portable energy storage batteries, rechargeable AA/AAA lithium batteries and other customized battery packs. These products are widely used in electric mobility, shared battery swapping, consumer electronics, energy storage and other fields.

We offer flexible OEM/ODM customization services. Battery voltage, capacity, dimensions, housing structure, connection interfaces and BMS communication protocols can be customized according to customer requirements. From cell selection, protection board matching and structural design to sample verification and mass delivery, we provide one-stop battery PACK solutions for customers.

The company has obtained ISO9001 Quality Management System and ISO14001 Environmental Management System certifications. Relevant certifications including CCC, CE, FCC, BIS, UL and EN50604-1 are available for our products. The applicable scope shall be subject to the corresponding product model and valid documents, helping customers explore the international markets.

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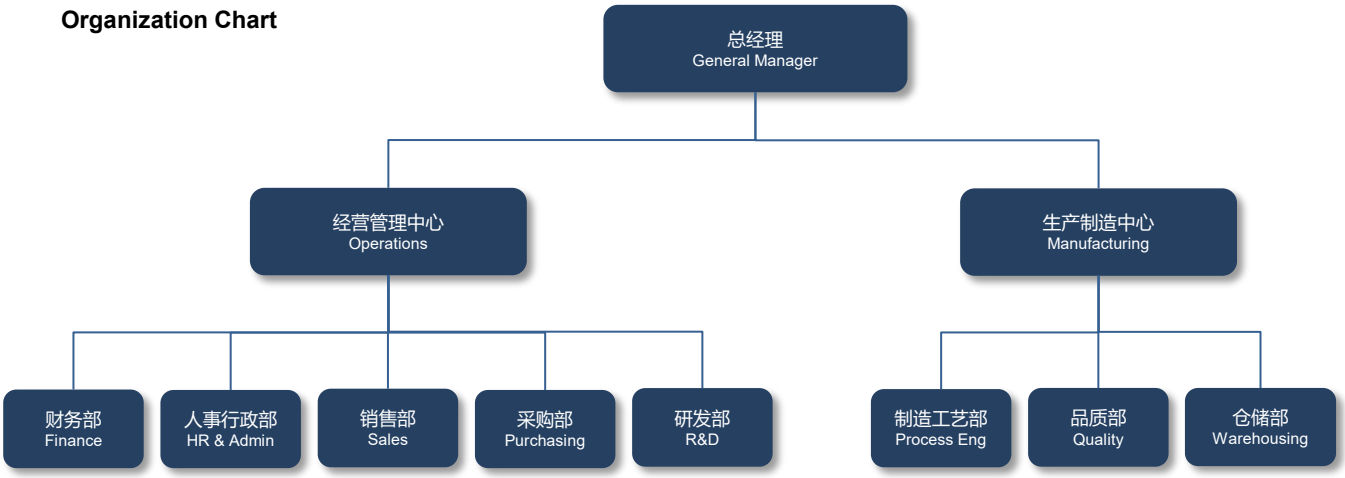
## 组织架构图
**Organization Chart**




## 合作客户
**Cooperating Clients**

PHILIPS · usmile · Hyperice · PACEex · CETC · ZBPOWER · Razor

## 合作供应商
**Cooperative Suppliers**

LG · SAMSUNG · EVE · DMEGC · TENPOWER 天鹏锂能 · BAK · CATL 宁德时代 · REPT BATTERO · Texas Instruments · O2Micro · SINOWEALTH · MinebeaMitsumi

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## 企业历程
Company history

**2018**
广劲动力科技有限公司成立
获批ISO9001
Kingin Power established,
ISO 9001 certified.

**2019–2020**
稳步发展
获得多项实用新型专利
Steady development,
multiple utility patents.

**2021–2022**
深耕技术研发
获评国家高新技术企业
Deepen technical R&D
Awarded National High-Tech Enterprise

**2023–2025**
规模扩大，技术升级
支持全链路电池产品定制
Scale expansion, tech upgrade
Full-link battery customization

**2026**
可持续发展
获批 ISO14001 认证
销售额达 3.8 亿元人民币
Sustainable Development
ISO14001 Certified
Sales: RMB 380 Million

## 企业证书
Certifications



质量管理体系认证
ISO 9001



环境管理体系认证
ISO 14001


中国强制性产品认证
CCC Certification



欧盟CE认证
CE Certification



UL认证
UL Certification


BIS认证
BIS Certification



EN 50604证书
EN 50604 Certification


CB证书
CB Certification


PSE证书
PSE Certification


发明专利证书
Invention Patent


实用新型专利证书
Utility Model Patents

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# 电动摩托车电池
## Electric motorcycle batteries

适用于电动摩托车及电动两轮车。覆盖36V、48V、52V平台。支持容量、接口及安装方案定制，满足不同车型的适配需求。

Designed for electric motorcycles and electric two-wheelers, with 36V, 48V and 52V systems available. Capacity, connectors and mounting solutions can be customized.



## 产品特点
### Product features

多电压平台 / Multiple voltage options

可拆卸式电池外壳 / Removable housing

多种充放电接口 / Connector options

支持定制 / Customization available

## 定制要求
### Customization requirements

车型及系统电压 / Vehicle model and voltage

电机功率 / Motor power

容量及续航需求 / Capacity and range

安装空间与接口照片 / Space and connector photos

使用环境及数量 / Environment and quantity

## 产品规格 Product specifications

| 标称电压 Voltage | 容量 Capacity |
|---|---|
| 36V | 15 / 20 / 30Ah |
| 48V | 15 / 20 / 30Ah |
| 52V | 20 / 25 / 30Ah |

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## 电动自行车电池
E-bike batteries

面向城市通行和休闲骑行，根据车型、安装空间及动力需求，提供电压、容量、结构与接口定制方案。

For urban commuting and recreational cycling, customized solutions for voltage, capacity, structure and interfaces are provided according to vehicle models, installation space and power requirements.



## 结构形式
Housing options



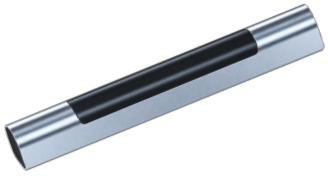
**外挂式**

External battery



**放置式**

Rack-mounted battery



**内置式**

Integrated battery

## 定制选项
Custom options

| | |
|---|---|
| 电压 | Voltage |
| 容量 | Capacity |
| 外壳尺寸 | Housing dimensions |
| 充放电接口 | Connectors |
| 通信协议 | RS485 or CAN |
| 品牌标签 | OEM & Branding |

## 产品规格
Product specifications

| 标称电压 Voltage | 容量范围 Capacity |
|---|---|
| 36V | 12–45Ah |
| 48V | 8–35Ah |
| 52V | 13–30Ah |

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# 电动两轮车/换电柜电池

## Two-wheeler & swapping station batteries

高效换电电池，专为电动两轮车与换电运营打造，高频充放、稳定安全；智能 BMS 实时监控保护，并支持电压、容量、尺寸与接口定制，适配各类车型与换电柜。

Efficient swapping batteries designed for electric two-wheelers and swapping operations — stable, safe and built for high-frequency cycling. An intelligent BMS monitors and protects the battery in real time, while voltage, capacity, size and interfaces are customizable to fit any vehicle and swapping-cabinet system.






## 定制对接

Customization & Integration

尺寸与安装 Dimensions and fit

接口与锁止 Connectors and locking

BMS通信 BMS communication

充放电电流 Charge / discharge current

## 产品规格

Product specifications

| 电压 Voltage | 容量选项 (Ah) Capacity options |
|---|---|
| 48V | 30 / 40 / 50Ah |
| 60V | 30 / 40 / 50Ah |
| 72V | 30 / 40 / 50Ah |

## 产品优点

Product advantages

长寿命循环 Long-life cycle

智能电池管理 Intelligent battery management

稳定动力输出 Stable power output

多重保护 Multiple safety protection

支持定制 Customization supported

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## 锂电替代铅酸

### Drop-in Lithium Replacement for Lead-Acid

专为电动两轮车、电动三轮车及低速电动车设计，可替代传统铅酸电池。采用高性能锂电池方案，在减轻整车重量的同时，提供更稳定的动力输出与更长的循环使用寿命。支持不同电压、容量、尺寸及接口定制，满足多种车型升级需求。

Designed for electric two-wheelers, e-tricycles and low-speed electric vehicles. Our lithium battery solutions offer lighter weight, stable power output and longer cycle life compared with conventional lead-acid batteries. Customized voltage, capacity, dimensions and connectors are available for different vehicle applications.



## 产品优点

### Product advantages

长寿命循环 Long-life cycle

智能电池管理 Intelligent battery management

稳定动力输出 Stable power output

多重保护 Multiple safety protection

支持定制 Customization supported

## 定制要求

### Customization requirements

应用设备及电压 Applicable equipment and voltage

电机功率 Motor power

使用时间 Usage time

安装空间和接口照片 Photos of installation space and connectors

使用环境及产品数量 Usage environment and product quantity

## 产品规格

### Product specifications

| 产品类型<br>Product Type | 电压<br>Voltage | 容量选项<br>Capacity Options | 应用<br>Application |
|---|---|---|---|
| 12V / 24V 铅酸替代锂电池<br>12V / 24V Lead-acid Replacement Lithium Battery | 12V / 24V | 24–200Ah | 铅酸替代系统<br>Lead-acid Replacement Systems |
| 三轮车锂电池<br>E-tricycle Lithium Battery | 48V/60V/72V | 50Ah/100Ah/150Ah/200Ah | 电动三轮车<br>Electric Tricycle |

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# 储能电池
Energy storage batteries

## 家庭与光伏储能 Home & Solar Energy Storage



**堆叠式**
Stacked



**壁挂式**
Wall-mounted



**储能机柜**
Battery Cabinet



**机架式模块**
Rack Module

| 额定容量 / Capacity | 100Ah | 200Ah | 300Ah |
|---|---|---|---|
| 电压 / Voltage | 51.2V | 51.2V | 51.2V |
| 标称能量 / Energy | 5.12kWh | 10.24kWh | 15.36kWh |

家庭应急备电与光伏自发自用，提供多种安装形式。
For household backup and solar self-consumption, with flexible installation formats.

壁挂 / 堆叠系列采用磷酸铁锂；支持RS232 / RS485 / CAN。
The wall-mounted and stacked series use $LiFePO_4$ batteries and support RS232, RS485, and CAN.

容量与外观按具体型号匹配。产品以最终规格书为准。
Capacity and appearance vary by model. Please refer to the final specification sheet.

## 便携式储能 | Portable power station



### 户外露营、应急供电、移动办公
Outdoor Camping, Emergency Power & Mobile Office

机身轻巧便携，配备多类型输出接口，满足户外露营、应急供电、移动办公等多元场景需求。

Lightweight & portable with multi-port outputs, ideal for outdoor camping, emergency power supply, mobile office and other scenarios.

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## 可充电5/7号电池

Rechargeable AA/AAA batteries

采用高品质锂电芯，支持多次充电使用，为各类终端产品提供稳定、持久的电力

Uses high-quality lithium cells, supports repeated recharging, and provides stable, long-lasting power for various end products.




## 产品优势 | Product advantages

| 可循环充电 | 稳定电压 | 持久耐用 | 节能环保 | 多种规格 | 广泛兼容 |
|---|---|---|---|---|---|
| Rechargeable | Stable voltage | Durable & long-lasting | Energy conservation | Multiple specifications | Wide compatibility |

## 应用领域 | Applications



| 无线鼠标 | 游戏手柄 | 电动玩具 | 手电筒 | 智能家具 | 电子时钟 |
|---|---|---|---|---|---|
| Wireless mouse | Game controller | Electric toy | Flashlight | Smart furniture | Electronic clock |

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# 定制类智能通信锂电池

## Custom intelligent communication lithium battery

面向清洁设备、服务机器人及工业无人机等终端，提供内置智能BMS的定制锂电池组。电池支持CAN / RS485 / UART及蓝牙通信，可实时上传电压、电流、温度、SOC与SOH数据，实现整机与电池的协同管理与状态预警。

Custom lithium battery packs with an integrated smart BMS for cleaning machines, service robots and industrial drones. CAN, RS485, UART and Bluetooth communication report voltage, current, temperature, SOC and SOH in real time, enabling coordinated management and early warning between the battery and the host device.



## 产品优点 | Product advantages

- 智能BMS管理 Smart BMS
- 宽温域运行 Wide temperature range
- 通信接口丰富 Multiple interfaces
- 多重安全保护 Multiple safety protection
- 高倍率输出 High-rate output
- 结构与接口定制 Custom housing & connectors

## 定制要求 | Customization requirements

- 应用设备与工作电压 Equipment & voltage
- 安装空间与外形 Installation space & outline
- 通信协议与接口 Protocol & interface
- 使用环境与温度 Operating environment
- 持续与峰值电流 Continuous & peak current
- 认证与批量需求 Certification & order volume

## 主要应用 | Applications



**四足机器人**
Quadruped robot



**扫地机器人**
Robot vacuum



**植保无人机**
Agricultural drone

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# 定制类小型锂电池

## Custom small lithium batteries

专注于智能化、轻量化及高能量密度锂电池解决方案，可根据不同终端产品需求提供容量、电压、尺寸、接口及保护方案定制，广泛应用于消费电子、智能设备及便携式产品。

Focused on intelligent, lightweight and high-energy-density lithium battery solutions, we can customize capacity, voltage, dimensions, interfaces and protection schemes according to the requirements of different terminal products, which are widely used in consumer electronics, smart devices and portable products.




## 主要应用 | Applications

智能穿戴 · 蓝牙设备 · 便携式电子产品 · 智能家居 · 医疗设备 · 数码产品 · 小型机器人

Smart Wearables · Bluetooth Devices · Portable Electronic Products · Smart Home · Medical Devices · Digital Products · Small Robots

## 产品特点 | Product features

高能量密度 | 智能控制 | 多重安全保护 | 高度定制

High Energy Density | Intelligent Control | Multiple Safety Protections | Highly Customizable

## OEM / ODM

支持容量、电压、尺寸、线材、连接器及保护板方案定制

Custom solutions available for capacity, voltage, dimensions, wires, connectors, and protection board configurations.

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# 发展规划
DEVELOPMENT PLANNING

## 未来三年

将建设20000 m² PACK产线，电池日产量50000个,持续拓展海外市场，强化定制化服务能力。

20,000 m² PACK lines planned, 50,000 batteries daily, global expansion and enhanced customization.



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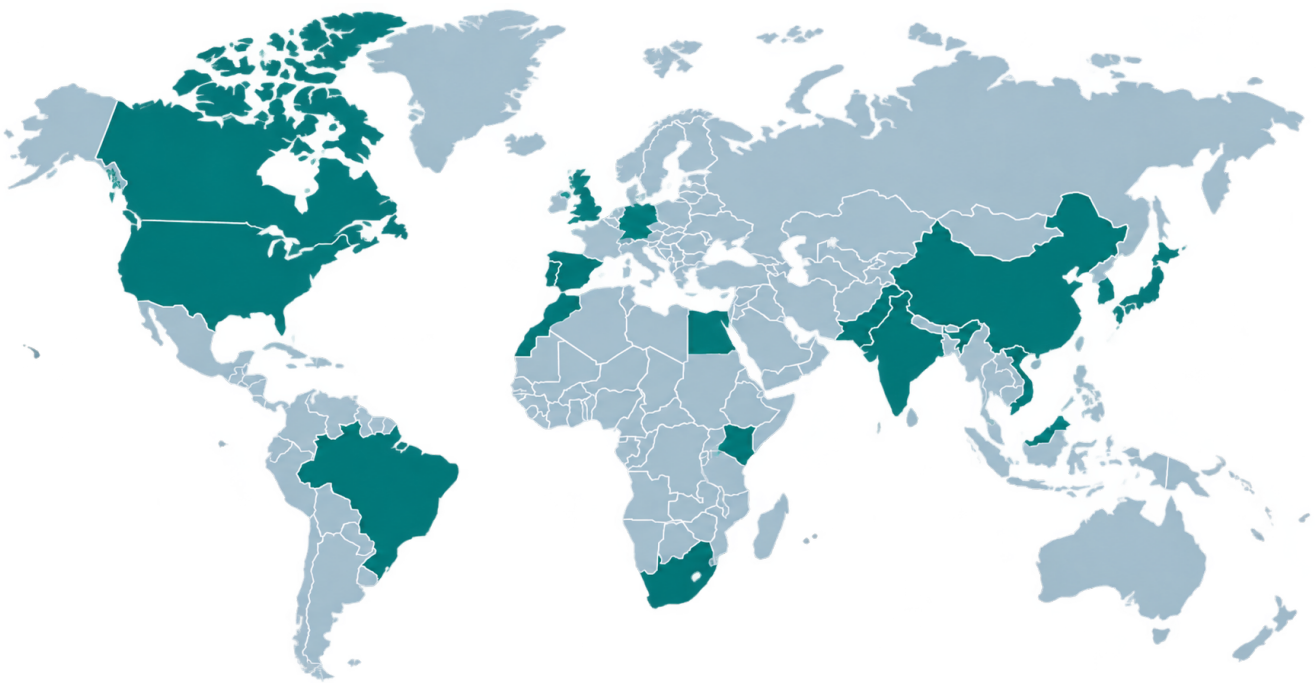
# 成为全球客户信赖的
# 锂电池解决方案合作伙伴

To be a trusted lithium battery solutions partner for customers worldwide



**中国** China　**印度** India　**巴基斯坦** Pakistan　**日本** Japan　**韩国** South Korea　**越南** Vietnam　**马来西亚** Malaysia

**德国** Germany　**西班牙** Spain　**葡萄牙** Portugal　**英国** UK

**摩洛哥** Morocco　**南非** South Africa　**肯尼亚** Kenya　**埃及** Egypt

**美国** USA　**加拿大** Canada　**巴西** Brazil

**立足中国，连接全球客户**

Lithium battery solutions for customers worldwide

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