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Disclaimer:





WORLD-CLASS BATTERY MANUFACTURER

总部地址:广州市番禺区沙湾镇市良路西村段912号

Guangzhou Great Power Energy & Technology Co., Address: No. 912 Shiliang Road, Shawan town, Panyu, Guangzhou, China

Tel: +86 020 39196888 Website: www.greatpower.net Email: sales@greatpower.net







鹏辉官网 鹏辉能源公众号 鹏辉储能公众号









广州鹏辉能源科技股份有限公司 Guangzhou Great Power Energy & Technology Co., Ltd.

鹏辉能源 GREAT POWER

股票代码:300438 Stock Code: 300438, China



成立 Established



10000+人 员工 Over 10,000

employees



超160万m2 占地面积

Covering an Area of over 1,60,000 m²



工业园

9 Production Facilities

CONTENTS

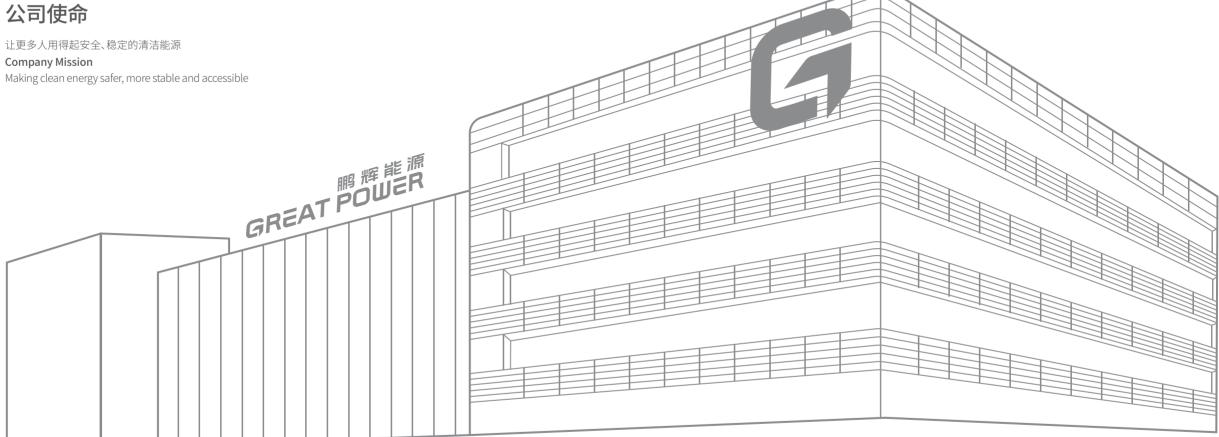
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公司愿景

做全球领先的锂电池制造商,做储能电池首选供应商

Company Vision

To become a global leader in battery storage technology



鹏辉能源 GREAT POWER

公司历程

公司概况 COMPANY PROFILE

鹏辉能源是一家致力于电池技术创新的高科技企业。公司成立于2001年,2015年上市,专注电池的研发、生产、销售和服务二十三载。

公司产品业务主要覆盖大型储能、工商业储能、户用储能、通讯基站储能、光储充智慧充电、新能源汽车动力电池以及消费电池等。鹏辉能源为多家全球知名品牌提供电芯、PACK、RACK、一体化户外储能柜、集装箱储能等多种储能产品及系统。2011年,公司进入储能领域,是国内最早涉足储能的企业之一。

鹏辉能源产品以高安全、长循环、高能效、装机项目零事故获得客户广泛认可。历经十三年耕耘,储能电池出货量连续多年稳居全球前列,已实施的项目遍及全球50多个国家及地区,凭借多年的深厚技术沉淀和快速响应的服务支持赢得市场良好口碑。

Great Power is a world-class battery manufacturer established in 2001, publicly listed on the stock market in 2015 in China. The company has 23 years of experience specializing in battery manufacturing, energy storage solutions, research and development.

The company's primarily products are lithium-ion batteries, which are utilized in various markets such as energy storage, consumer electronics, and EV.

As a pioneer in manufacturing stationary energy storage system (ESS) batteries, Great Power introduced its first-generation ESS in 2011. The company offers a comprehensive range of battery products including cells, packs, racks, cabinets, containers, and project integration that meet requirements of all markets, such as residential, C&I and utility-scale.

Great Power's products show excellent safety performance, long cycle life and high energy efficiency. The shipment volume of Great Power's energy storage batteries has rank among the global leaders for consecutive years. The company provides energy storage solutions that deliver value to customers across more than 50 countries/areas.

出货量数据来源: GGII, CNESA, ICC, EESA等 Shipment data comes from GGII, CNESA, ICC, EESA, etc.

200

公司成立

2001

Great Power founded

2013

•

河南鹏辉成立 Henan GP founded

2015

公司上市,并购日本耐克赛尔 Went public (IPO) Acquired Nexcell (Japan)

2021

河南二期投入量产

Henan GP II started mass production

2022

建立衢州工业园 Ouzhou GP founded

2025

规划产能110+GWh, 致力于成为全球储能市场首选电池供应商

Planned production capacity of over 110GWh/To become a global leader in supplying energy storage battery

2002



珠海鹏辉成立

成立国家级博士后科研工作站

Zhuhai GP founded

National Post-doctoral Technological Center founded

2011



第一款储能产品发布

First-generation energy storage battery was launched

2018



建立江苏工业园,并购佛山实达

Changzhou GP founded Acquired SHIDA Battery

2019



实施聚焦储能战略,建立柳州工业园

Liuzhou GP founded

Strategic foucus on energy storage

2023



建立青岛工业园,设立德国、美国办事处 Qingdao GP founded/The EU Office and the NA Office founded

NA Office fourtue





设立印尼办事处,建立越南工厂

The Indonesian Office founded/The Vietnam GP founded



交付能力 DELIVERY CAPABILITY

9大生产基地,**4个**海外办事处 9 production facilities and 4 oversea offices



- ① 广州集团总部
 研发和中试基地,占地30亩
 - 总部 Great Power Headquarters

R&d and pilot facilities, covering an area of 20000 m²

- ② 珠海工业园 占地250亩
- Zhuhai GP Covering an area of 166500+ m²
- ③ 河南工业园

总投资15亿元,韩国进口全自动先进设备,占地500亩。

Henan GP

Total investment of 1.5 billion yuan, fully-automatic production line imported from Korea, covering anarea of 333000 m²

- ④ 衢州工业园
 - 一期占地280亩
- ⑤ 常州工业园

固定资产投资58亿元 总规划产能40GWh 占地650亩 Quzhou GP

The first phase covering an area of 186500 m²

Changzhou GP

Fixed assets investment of 5.8 billion yuan, the total planned capacity of 40GWh, covering an area of 432900 m²

- ⑥ 佛山实达科技 占地90亩
- Shida Battery Co., Ltd.

 Covering an area of 57000+ m²
- 7 柳州工业园
 - PACK自动化组装统 一期占地250亩
- Liuzhou GP

Automatic battery pack assembly line, the first phase covering an area of 166500+ m²

⑧ 青岛工业园

总规划产能36GWh 一期占地300亩

Qingdao GP

The total planned capacity is 36GWh, and the first phase covering an area of 200000 m²

- 9 越南工厂 Vietnam GP
- 10 日本办事处
- ⑪ 德国办事处
 - The EU Office
- 4 美国办事处

The NA Office

13 印尼办事处

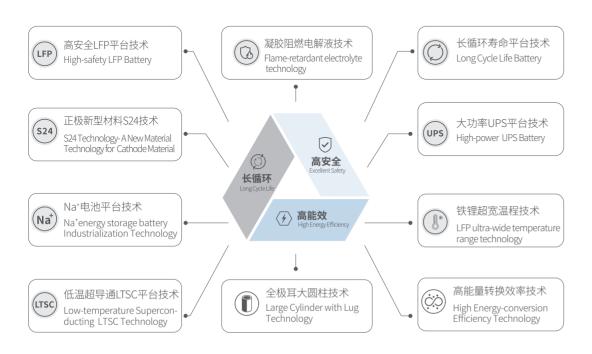
The Indonesian Office

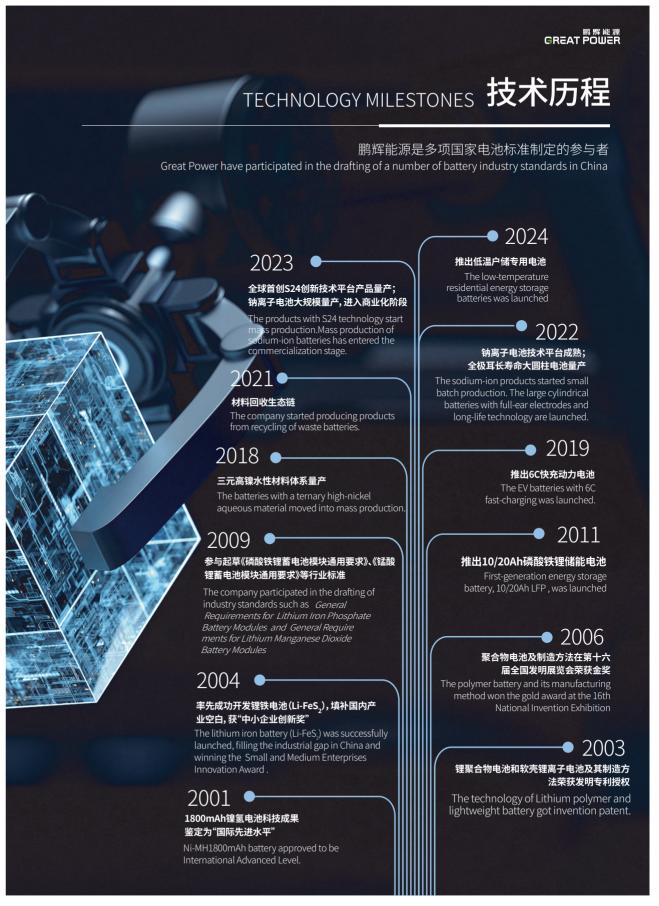


研发实力 R&D STRENGTH



核心技术 KEYTECHNOLOGY







品质保证 QUALITY ASSURANCE

公司已通过 ISO9001、ISO14001、IATF16949 认证







Quality Management System: ISO9001, ISO14001, IATF16949

公司以品质为生命,构筑了严苛的品质管理体系,已通过 ISO9001、ISO14001、IATF16949 认证。同时,公司产品已通过 UL、 RoHS、CE等国际标准认证以及《电动汽车用钾离子蓄电池》OCT-743-2006强制安全认证,国军标质量管理体系认证 GJB9001B、ISO45001:2018 职业健康安全管理体系认证,汽车产业供应商质量管理体系 IATF16949。

Success comes from strict quality management and unwavering attention to detail. All manufacturing facilities have certification of ISO9001, ISO14001, IATF16949, GJB9001B and ISO45001:2018, guaranteeing a strict quality management system that adds customer value. All ESS batteries are certified by UL, RoHS, CE, and OCT-743-2006.



专业人员 Professional Team

20多年经验的国际顶尖电池工艺品控专家和电化学技术专家共同为高品质电池护航 Experts with over 20 years battery production experience to ensure the high quality of products.



层层检测 Full-process Inspection

来料检测+产线检测+实验室检测,平均电池单体测试项目超100+个。 Test: material+product+laboratory, Average cell testing items exceed 100

全球测试及认证列表 Worldwide Testing and Qualifications



IEC62619





















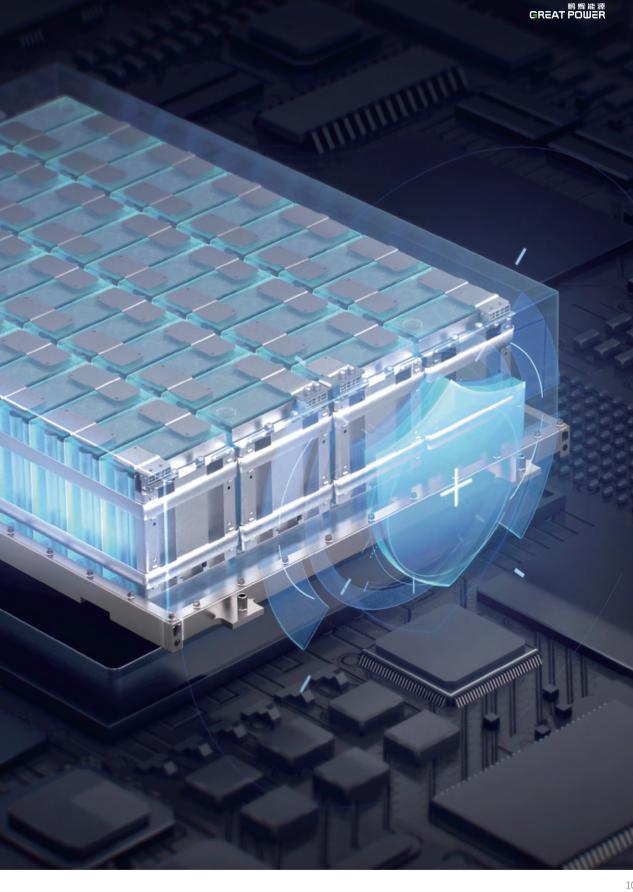






















全球先进的自动化生产

GLOBAL ADVANCED AUTOMATED PRODUCTION



生产管理 State of the Art Factories

· 引入全球先进生产线

· Imported globally advanced production lines

·制造环境FFU全覆盖

· Full coverage of FFU manufacturing environment

环境管控达到6级

· Class 6 manufacturing environment

· 以品质为第一目标的生产工艺流程设置

· Industry leading quality driven by continuous process improvement

· 关键生产点设置24小时监控

· 24-hour monitoring and control of key production processes



关键工艺 Key Processes

叠片工艺: 采用行业先进的Z字形飞秒叠片技术,完美解决叠片效率和overhang控制;

卷绕工艺:使用世界领先的卷绕设备,多段变张力以及多段实时纠偏技术,完美解决卷绕电池变形及对齐度。

Stacking: adopting the industry-leading Z-shaped femtosecond stacking technology, it perfectly solves the efficiency of disc stacking and overhang control.

Winding: using the globally leading winding equipment, multi-stage tension variation and real-time correction technology, it perfectly solves the deformation and alignment of winding batteries.

高一致性 High Consistency

采用高精度全自动生产设备,全制程MES系统全覆盖,大数据预警系统实时监控设备参数和产品工艺,全自动闭环 纠偏,实现电芯产品高一致性,多项数据指标达6 Sigma水平。

Utilizing high-precision fully automatic production equipment, comprehensive MES system coverage throughout the entire process, real-time monitoring of equipment parameters and product processes with a big data warning system, fully automated closed-loop correction, achieving high consistency in battery cell products, with multiple data indicators reaching a 6 Sigma.

高精度全自动螺旋杆制浆技术(行业内率先采用) / 分容液冷技术

High-precision Fully Automatic Spiral Rod Mixing Technology Capacity-separated Liquid Cooling Technology



市场认可 ACHIEVEMENTS

TOP3 2023年中国丁商业储能系统企业出货量(GGII)

TOP3 2023年中国户储锂电池企业出货量(EESA)

TOP6 2023年中国企业全球电力储能电池出货量(EESA)

TOP6 2023年中国全球储能电池出货量(SNE Research, EESA)

2021年电子烟团队标准起草单位(广东质检院,广东省电子数码行业协会); 2021年度全球储能电池出货量TOP2企业(CNESA); 2021年度国内新增投运装机规模TOP10储能技术提供商排名第四(CNFSA)

2022年 电动汽车团体标准起草单位(广东省能源协会): 2022年全球户用储能电池出货量 TOP2 (GGIL ICC, FFSA, SPIR): 2022年全球储能电池的出货量 TOP5 (CNFSA, GGII, FFSA)

2023 全国首批钠离子电池测评通过单位(中国电子技术标准化研究院赛西实验室/中关村储能产业技术联盟CNESA) 2023年钠离子电池十大创新企业(CNFSA)

2023 全球新能源企业500强 (中国能源报)

2023 全球可融资电池行业榜单(彭博社新能源财经 BNEF)

第八届国际储能创新大赛优秀项目奖(风鹏电芯314Ah)(国际储能技术与产业联盟/CNESA)

TOP 3 2023 Chinese Commercial and Industrial ESS Market (GGII)

TOP 3 2023 Global Residential ESS Battery Market (EESA)

TOP 6 2023 Global Power EESA Battery Market among Chinese Companies (EESA)

TOP 6 2023 Global ESS Battery Market among Chinese Companies (SNE Research)

2021 Become the standard drafting unit for the e-cigarette team (Guangdong Institute of Quality Inspection, Guangdong Electronic Digital Industry Association). 2021 Ranked number two in global residential energy storage market (GGIL,ICC, EESA, CNESA). 2021 Top 10 Chinese new installed capacity providers of energy storage technologies (CNESA). 2022 Become the standard drafting unit for the EV team(Guangdong Energy Institute). 2022 Ranked number two in global residential energy storage market(GGIL,ICC,EESA, CNESA). 2022 Ranked number five in global energy storage market

2023 One of the first enterprises in China to pass the evaluation of sodium-ion batteries. (CESI/CNESA).

2023 Top 10 Sodium-ion battery innovation Enterprises (CNESA).

2023 Top 500 New Energy Enterprises (China Energy News).

2023 Top the Battery Bankability Survey Survey Results List(BNEF).

314Ah Ultra won the Excellent Project Award of the 8th International Energy Storage Innovation Competition (CNESA).



核心客户 Kev Customers



















沃太能源

智光 智光

SOODWE

会安可能源

TRANSSION'

CFU中伏能源

ZHECHU

₩ 科新能源

Hailei海雷®

Discover*











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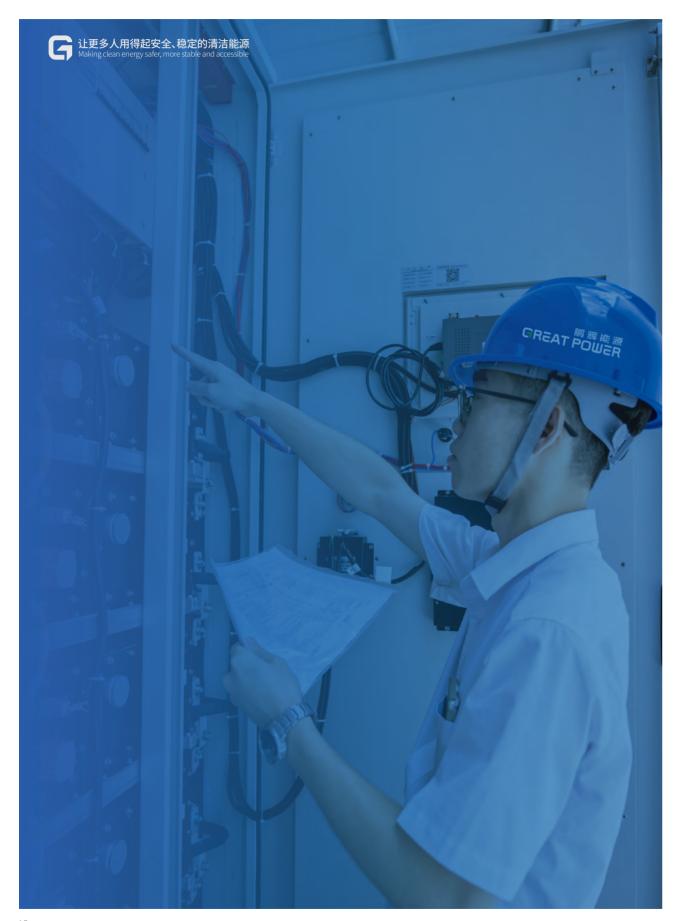








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客户服务 SERVICE AND SUPPORT

服务团队:九大区域,15支专业团队

投诉反馈: 24小时内反馈, 48小时提供解决问题临时方案, 5个工作日提供整体解决方案

VIP 服务: 驻厂服务支持

系统服务: 专业培训资料+现场维修+赋能自修+工具支持+质保期内免费定期检查

Service Team: 15 professional teams distributed in nine regions.

Complaint Feedback: Feedback within 24 hours, temporary solutions provided within 48 hours, overall

solutions provided within 5 working days.

VIP Service: On-site support at the factory.

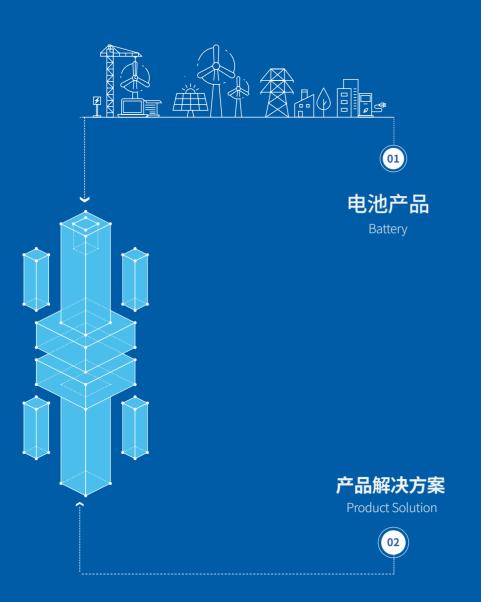
System Service: Free regular inspections during the warranty period with various service methods.

九大区域,15支专业团队 15 professional teams in 9 regions

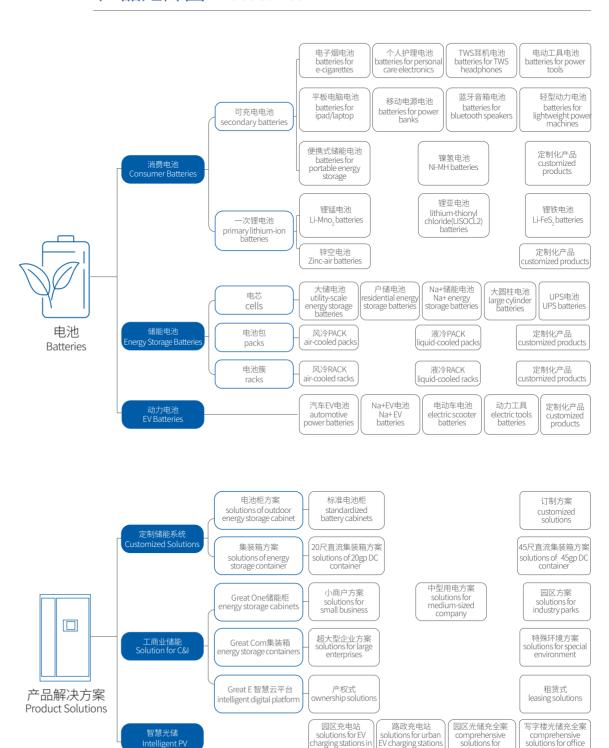


产品与解决方案

PRODUCTS AND SOLUTIONS



产品矩阵图 Product Matrix



solutions for urban

industry park

charging stations in industry parks

comprehensive

solutions for office building





储能电池 ENERGY STORAGE BATTERY

鹏辉能源是国内最早研发生产储能电池的企业之一,第一代储能电池于2011年上市。公司提供电芯、PACK、RACK等产品,广泛应用于发电侧及电网储能、工商业储能、UPS通讯基站备用电源、户用储能和便携式储能等各种场景。

Great Power is a pioneer in manufacturing stationary energy storage system (ESS) batteries and introduced its first-generation ESS in 2011. The company offers a range of battery products, including cells, packs, racks and cabinets to meet the requirements of different scenarios, such as residential, C&I and utility-scale.



高安全 High Safety



高能效 High Energy Efficiency



长循环 Long Cycle Life



高一致性 High Consistence

消费电池 CONSUMER BATTERY

鹏辉能源在消费电池领域产品系列齐全,包含一次性电池和可充电电池,以锂电池为主。我们可根据客户需求订制,出货量多年位居全球消费类电池前十。

产品广泛应用于蓝牙音箱、TWS耳机、电子烟、扫地机器人、电动工具、平板电脑、移动电源、个人护理类电器、安防设备、智能物联、智能穿戴等产品领域。

Great Power provides comprehensive product models, including primary batteries and secondary batteries, with a particular focus on lithium batteries. Our products can be customized to meet specific customer requirements, and our annually shipment volume consistently ranks among the top ten globally in the consumer battery industry.

The batteries are widely used in consumer life fields, such as blue-tooth speakers, TWS earphones, e-cigarettes, robot vacuum cleaner, power tools, tablet PC, power bank, personal-care electronics, security equipment, intelligent IoT, intelligent wearable, etc.











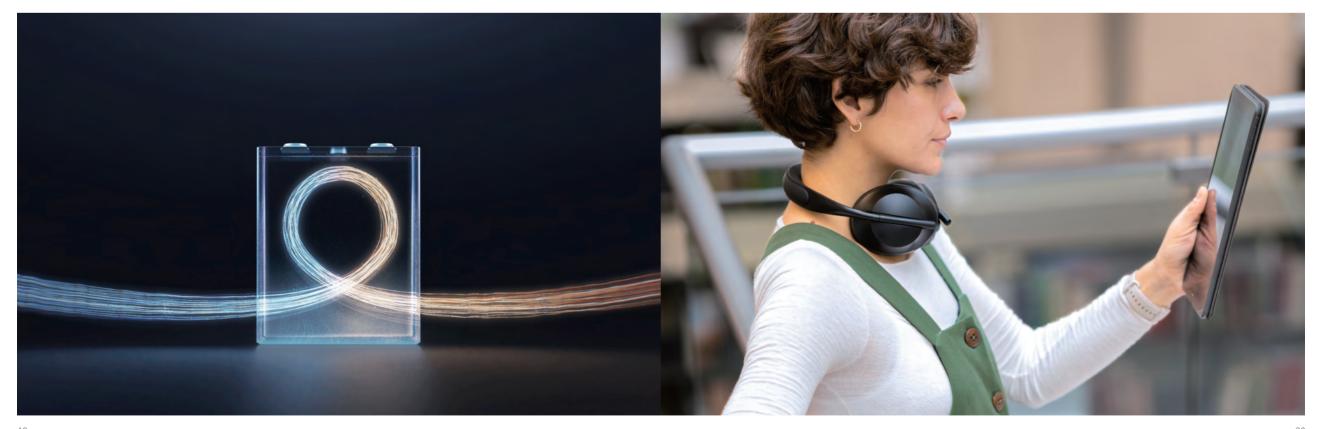














动力电池 FV BATTERY

产品主要应用在启动电源、乘用车、电动船舶、客车、平衡车、专用车、电动两轮车、电动工具、扫地机、吸尘器、无人机及48V微混动力系统等。

鹏辉动力电池是国内轻型动力市场的首选品牌、酸磷铁钾电池装机量全国前十。

The batteries are used in passenger cars, electric ships, buses, balance vehicles, specialized vehicles, electric vehicles, electric tools, vacuum cleaners for sweeping machines, drones, and 48V micro hybrid powrsystems.

The company is the preferred brand of Chinese light EV battery market, and the installed capacity of lithium iron phosphate battery is among the top10 in China

工商业储能 ENERGY STORAGE SOLUTION FOR C&I

鹏辉能源于2023年推出Great系列工商业储能产品及一站式解决方案。Great系列产品包括Great One户外储能柜,Great Com集装箱系统和Great E智慧云平台,为广大客户提供全套产品及服务,旨在满足广大工商业客户的需求。

作为一家经验丰富的储能创新型企业,公司深刻理解工商业客户的使用需求,并将其十余年的储能装机经验融入到产品的设计中。Great系列产品实现了高度的标准化和模块化,使产品实施及运营方案更加安全、可靠和高效。客户无论是订购产品,还是选择全链路一站式服务模式,与鹏辉能源合作都能省心放心,后顾无忧。

Great Power launch the Great series of products and one-stop solutions for C&I in 2023. Great series products consist of the Great One outdoor energy storage cabinet, Great Com container system, and Great E intelligent digital platform, which provides products and services for customers requirements in a wide C&I applications.

As an experienced energy storage innovative enterprise, the company deeply understands the needs of C&I customers and incorporates its over ten years of energy storage application experience into the design of its products. The Great series products achieve a high level of standardization and modularity, making the implementation and operation of the products safer, more reliable, and more efficient. Whether customers are ordering products or choosing the full-service one-stop service solutions, they can trust Great Power without any worries.





定制储能系统 CUSTOMIZED ENERGY STORAGE SOLUTION

鹏辉能源专注做好产品,从储能电芯到集装箱储能,为越来越多的客户提供整体方案。同时,公司的专业服务团队为客户提供全方位的支持,确保无后顾之忧。

此外,鹏辉能源与合作伙伴共同为全球客户提供满足当地个性化需求的储能产品柜及集装箱解决方案。我们深知每个客户的独特需求,因此一直致力于为他们打造最适合的解决方案,以协助客户获得最佳经济效应和社会效应。

The company proficient in providing high-quality products, ranging from battery cells to energy storage container, and provides one-stop solutions for an increasing number of customers. At the same time, the company's professional service team offers strong support to enhance customer value.

Additionally, Great Power with its partners to provide customized energy storage cabinet and container solutions that meet the specific needs of global customers. We understand the unique requirements of each customer and are committed to providing the most suitable solutions to help them achieve optimal economic and social.

智慧光储充 NTE

INTELLIGENT PV

随着中国新能源的深入布局,鹏辉智慧光储充近年来发展迅速,其是集可再生能源接入、能量存储、电动汽车充电、电池检测服务四大功能于一体的全新解决方案。

采用"系统+光伏+储能+充电"一体化的技术模式,利用光伏和储能的特性来平衡电动汽车充电负荷,有效降低大规模电动汽车充电对电资源的占用,能够实现光伏、储能、充电桩高效协同、能量互补,提升清洁能源和配电设备利用率水平。

Intelligent PV of Great Power has developed rapidly in recent years. It is a new solution that integrates four functions: renewable energy access, energy storage, electric vehicle charging, and battery testing services.

Utilizing an integrated technical model labeled Al System + Photovoltaic + Energy Storage + Charging, we effectively leverage the unique characteristics of photovoltaic and energy storage technologies to harmonize the charging load of electric vehicles. This strategic approach significantly reduces the overall demand for electricity resources in utility-scale electric vehicle charging, fostering efficient collaboration, energy complementarity, and heightened utilization levels of clean energy and distribution equipment.







鹏辉能源 GREAT POWER

全球典型案例 GLOBAL REFERENCE PROJECTS



中石油塔里木油田伽师县600MWh光伏发电项目

CNPC's Tarim Oilfield 600MWh Photovoltaic Power Generation Project



新疆吉木萨尔 150MWh光储项目

Jimusaer 150MWh Project



广西南宁100MWh储能电站项目

Nanning 100MWh Energy Storage Project



江苏央企造船厂100MWh 储能电站项目

State-Owned Shipyard 100MWh Energy Storage Station Project



内蒙古乌兰察布180MWh绿色电站示范项目

Ulangab 180MWh Green Power Station Demonstration Project



新疆巴楚140MWh牧光互补项目

Bachu 140MWh Agro-Photovoltaic Complementary Project



江苏DL工业园80MWh储能电站项目

DL Industrial Park 80MWh Energy Storage Station Project



青岛钠离子10MWh储能电站项目

Qingdao Sodium-Ion 10MWh Project (Under Construction)



深圳巴士公交60MWh充电站项目

Croatia 17MWh Photovoltaic and Storage Complementary Project



浙江仙鹤新能源有限公司44.72MWh储能项目

Zhejiang Xianhe New Energy Co., LTD. 44.72MWh Energy Storage Project



荷兰3.6MWh光储互补项目

The Netherlands Emmen 3.6MWh Photovoltaic and Storage Complementary Project



印度2MWh离网光储项目

India 2MWh High-Grid Photovoltaic Storage Project



珠海鹏辉工业园29.77MWh项目

Zhuhai Great Power Production 29.77MWh Project



德国16.77MWh集装箱储能项目

Germany 16.77MWh Containerized Energy Storage Project



克罗地亚17MWh光储互补项目

Croatia 17MWh Photovoltaic and Storage Complementary Project



克罗地亚 1MWh 储能项目

Marinska 1MWh Malin Hotel Project





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