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Disclaimer:

鹏 辉 能 源 CREAT POWER



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



2001 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



9大 工业园

9 Production Facilities

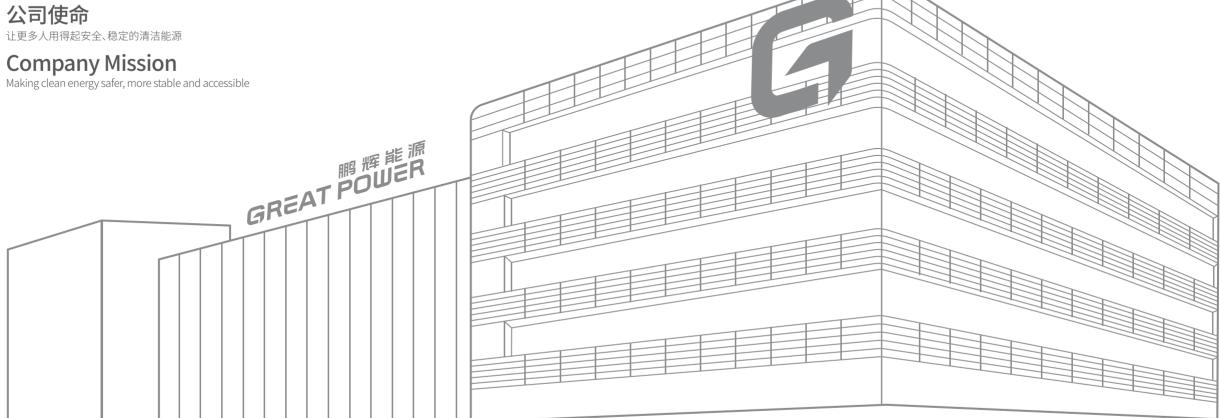
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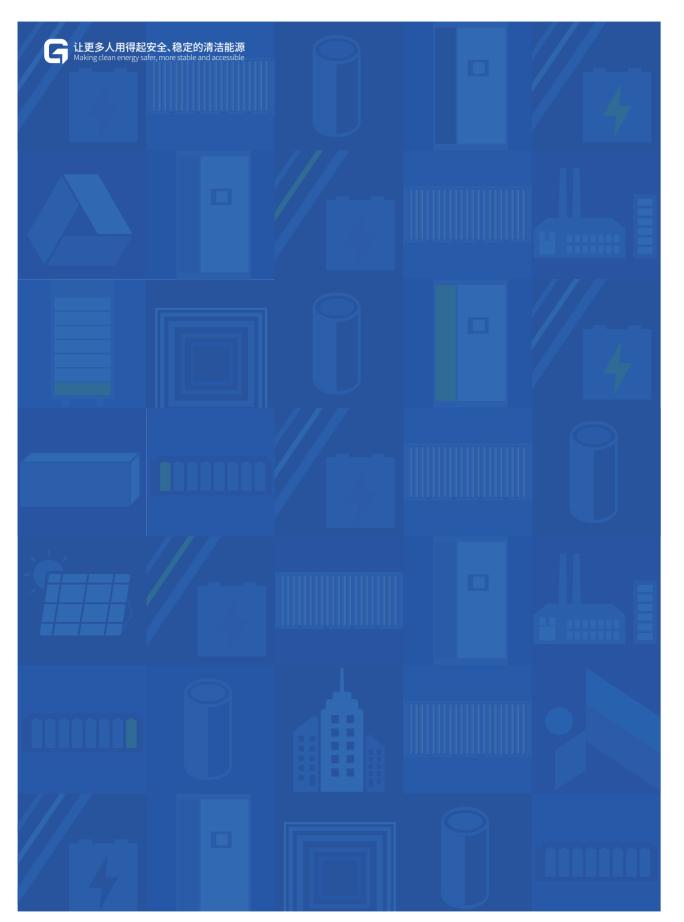
公司愿景

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 world-class battery manufacturer







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.

公司发展 COMPANY DEVELOPMENT

全球布局 9大生产基地,5个海外办事处

Global Locations, 9 production facilities and 5 overseas offices





公司历程 COMPANY MILESTONES





研发实力 R&D STRENGTH



2200+ 技术人员 Engineers



研究院 Research Institutes



2个 省级科研站 Provincial-level Research Centers

检测中心

Testing Center



1个 国家级博士后科研工作站 National-level Postdoctoral Research Center

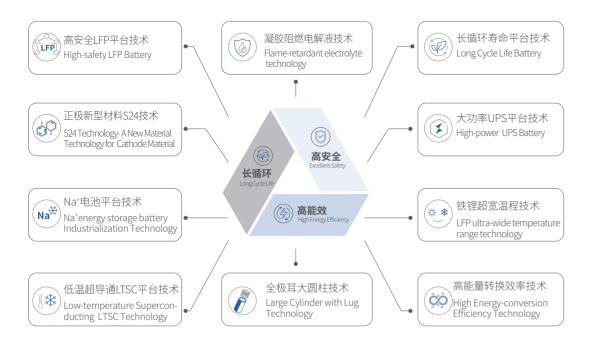


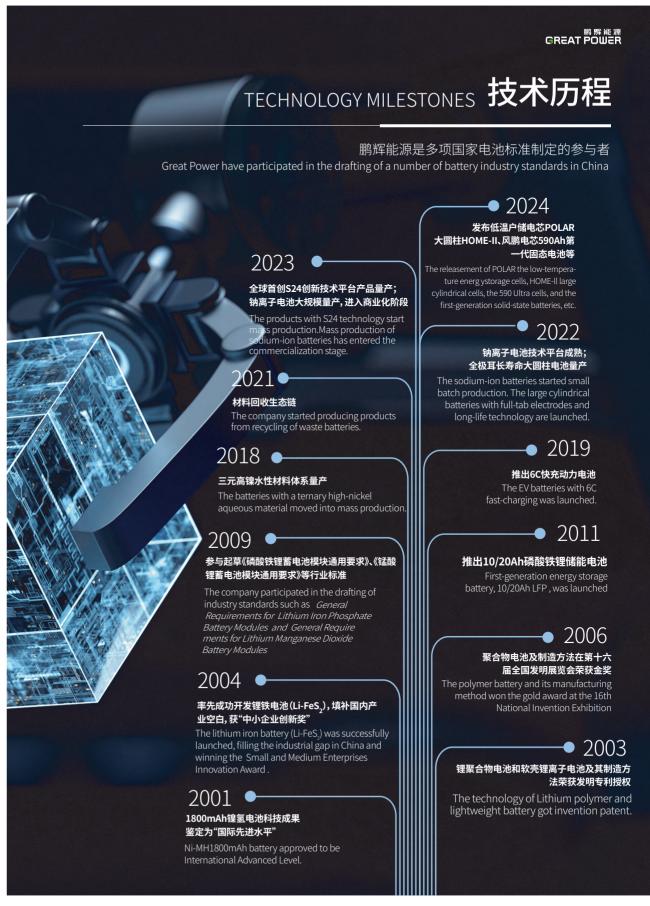
10+ 与国内外10+电化学领域 顶尖学府/机构合作

Prestigious Partners of Universities/ Institutions in the Field of Electrochemistry



核心技术 KEY TECHNOLOGY







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《电动汽车用锂离子蓄电池》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





















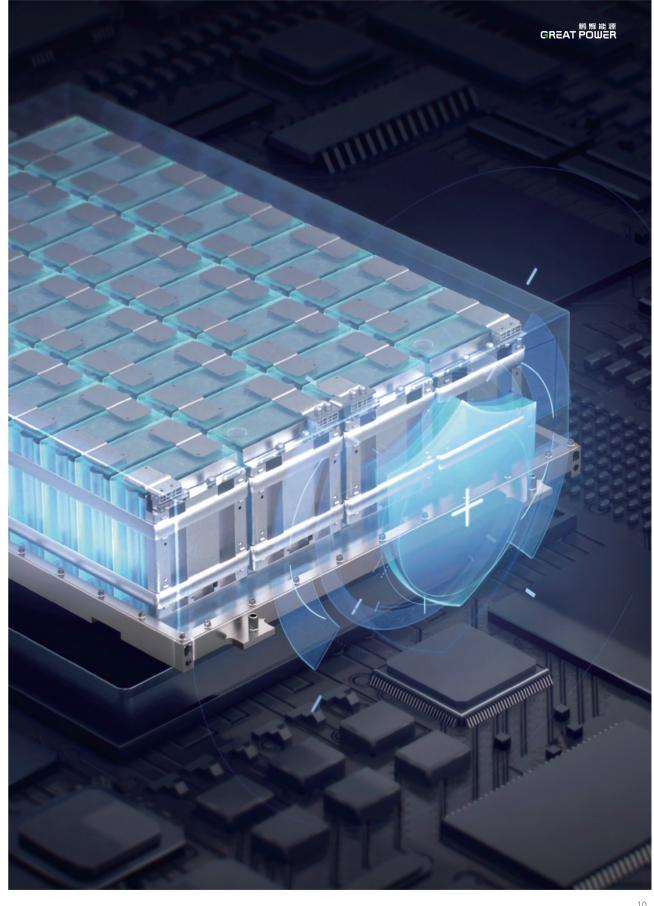






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EMC, LVD













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

 $\cdot \ \mathsf{Full} \ \mathsf{coverage} \ \mathsf{of} \ \mathsf{FFU} \ \mathsf{manufacturing} \ \mathsf{environment}$

· 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年中国工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)

BNFF **Tier1**全球一级储能厂商

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 (GGII, ICC, EESA, SPIR); 2022年全球储能电池的出货量 TOP5 (CNESA, GGII, EESA)

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)

BloombergNEF 2024 Q3 Tier 1 Energy Storage Manufacturer

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

Discover*





moeix m

Kaadas

小 小桔充电













































































14



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.

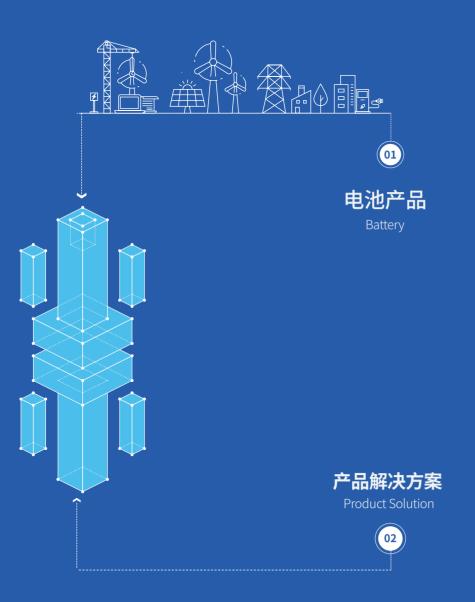
System Service: Free regular inspections during the warranty period with various service methods.

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

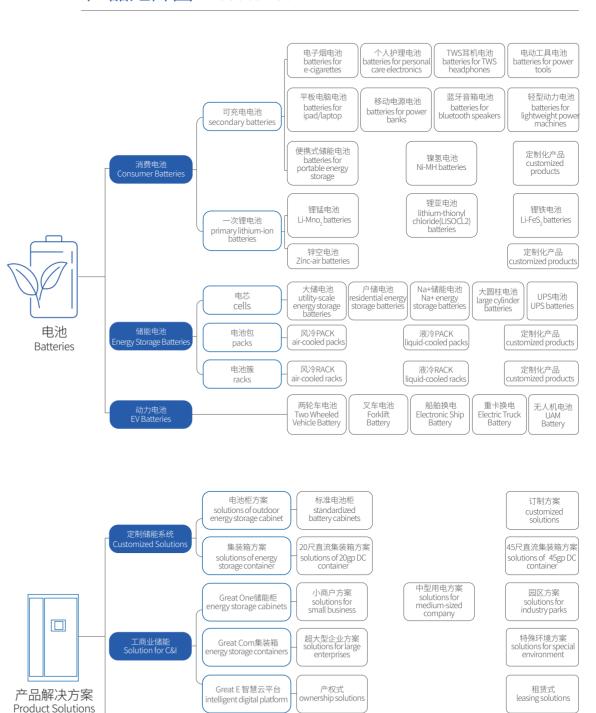


产品与解决方案

PRODUCTS AND SOLUTIONS



产品矩阵图 Product Matrix



园区充电站 solutions for EV

charging stations in industry parks

智慧光储 Intelligent PV 路政充电站

solutions for urban

园区光储充全案

industry park

写字楼光储充全案

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 energy storage scenarios, such as residential, C&I and utility-scale.



高安全 High Safety



局能效 High Efficiency



长循环 Long Cycle Life



高一致性 High Consistency

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 products, 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.











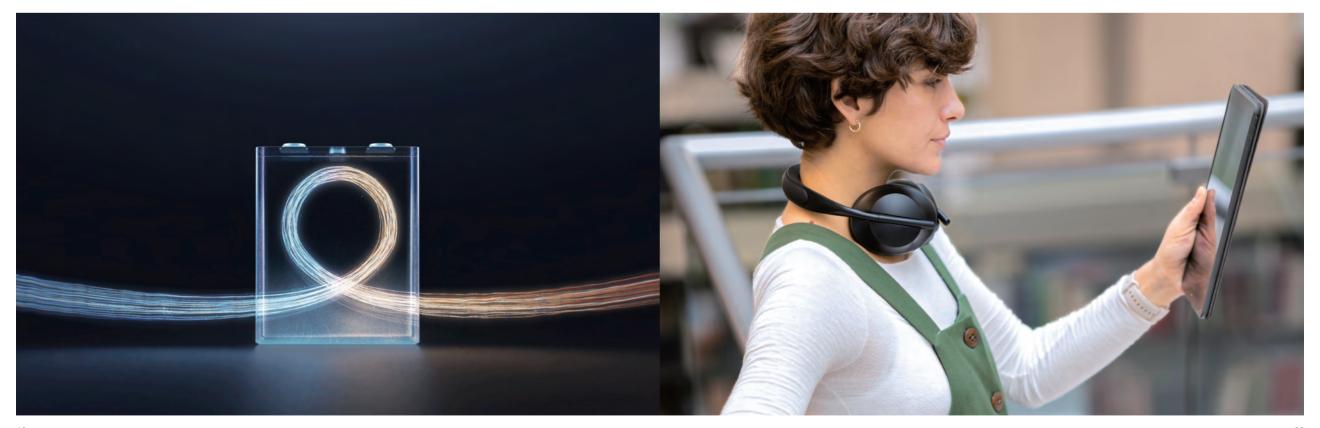














动力电池 FVBATTERY

产品主要应用在电动两轮车、重型卡车、电动船舶、无人机电池、启动电源、乘用车、客车、平衡车、专用车、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、磷酸铁锂电池装机量全国前十。

The products are mainly applied in two-wheeled vehicles, heavy-duty trucks, electric ships, drone, starting power, passenger cars, buses, balance scooters, special vehicles, electric tools, sweepers, vacuum cleaners, drones, and 48V mild-hybrid power systems.

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 launched the Great series of products and one-stop solutions for C&I in 2023. The Great series consists of the Great One outdoor energy storage cabinet, Great Com container system, and Great E cloud, which provides products and services for customers requirements in a wide C&I applications.

As an experienced and innovative energy storage company, Great Power deeply understands the needs of C&I customers and incorporates its over ten years of experience in ESS into the design of its products. The Great series 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 one-stop service, they can trust Great Power with no 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。

Great Power is proficient in providing high-quality products, 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 comprehensive 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 ensure long-term use for customers.

智慧光储充 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, EV charging, and battery testing services.

Utilizing an integrated technical of Al System + Photovoltaic + Energy Storage + Charging, we effectively leverage the unique characteristics of photovoltaic and energy storage technologies to balance 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 of photovoltaic, energy storage and charging, energy complementarity, and heightened utilization levels of clean energy and distribution equipment.









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



日本大阪6MWh储能项目

The Japan Osaka 6MWh UBE Factory Energy Storage Project





工业园联系方式

广州鹏辉工业园(总部)

地址:广州市番禺区沙湾镇市良路(西村段)912号

电话: 020-39196888

珠海鹏辉工业园

地址: 珠海市斗门区新青科技工业园新青五路

河南鹏辉工业园

地址:河南省驻马店驿城区中原大道与淮河大道交叉口

柳州鹏辉工业园

地址: 广西柳州市柳北区杨柳路18号

佛山实达工业园

地址: 佛山市南海区狮山科技工业园C区兴业路30号

常州鹏辉工业园

地址: 江苏省常州市金坛区兴华路369号

衢州鹏辉工业园

地址: 浙江省衢州市霞飞南路59号

广州鹏辉储能科技有限公司

地址:广州市南沙区东涌镇庆沙路419号003室

青岛鹏辉工业园

地址: 山东省青岛市城阳区河套街道龙海路569-174号

越南鹏辉工厂

地址:越南北宁省安丰县三江社,安丰II-C工业园,

CN4-1地段, C1厂房

鹏辉能源北美办事处

美国加利福尼亚州92110圣迭戈体育馆大道1049号3146B室

鹏辉能源德国办事处

德国斯图加特70173国王大道35号K35大厦

鹏辉能源印尼办事处

印度尼西亚雅加达省格罗果·佩坦布兰区 坦朗朱榕南部村 大将路 Soho 资本 SC-4005A 单元

鹏辉能源新加坡办事处

新加坡创投路2号,24-01号,新加坡,608526

鹏辉能源日本办事处

日本福井県鯖江市上河端町36-4-3

CONTACT US

Guangzhou Great Power Energy Technology Co., Ltd (Headquarters)
Address: No. 912 Shiliang Road, Shawan town, Panyu, Guangzhou, China
Tel: +86 020 39196888

Zhuhai Great Power Energy Technology Co., Ltd.

 ${\it Address: Xinqing Fifth Road, Xinqing Technology Industrial Park, Doumen}$

town, Zhuhai, China

Henan Great Power Energy Technology Co., Ltd

 ${\bf Address:} \ {\bf Intersection} \ {\bf of} \ {\bf Zhongyuan} \ {\bf Avenue} \ {\bf and} \ {\bf Huaihe} \ {\bf Avenue},$

Zhumadianyi, China

Liuzhou Great Power Energy Technology Co., Ltd Address: No. 18 Yangliu Road, Liubei town, Liuzhou, China

Foshan Shida Battery Technology Co., Ltd

Address: No. 30 Xingye Road, Zone C of Shishan Science and Technology

Industrial Park, Foshan, China

Changzhou Great Power New Energy Technology Co., Ltd Address: No. 369 Xinghua Road. Jintan District. Changzhou. China

Quzhou Great Power New Energy Technology Co., Ltd Address: No 59 Xiafei South Road, Ouzhou, China

Guangzhou Great Power Energy Storage Technology Co., Ltd Address: Room 003, No 419 Qingsha Road, Dongchong town, Nansha,

Guangzhou, China

Qingdao Great Power Energy Technology Co., Ltd.

Address:No. 569-174 Longhai Road, Hetao Street, Chengyang District,

Qingdao City, Shandong Province

Vietnam Great Power

Address:Factory C1 at Lot CN4-1 in Yen Phong II-C Industrial Park, Tam Giang Commune, Yen Phong District, Bac Ninh Province, Vietnam

Great Power North America Office

3146B Sports Arena Blvd #1049 San Diego

Great Power EU Office Königstraße 35

70173 Stuttgart Germany

Great Power Indonesia Office

Soho Capital Unit SC-4005A Podomoro City, Jl. Letjen S. Parman, Desa/Kelurahan Tanjung Duren Selatan, Kec. Grogol Petamburan, Kota

Adm. Jakarta Barat, Provinsi DKI Jakarta

Great Power Singapore Office

Add.: 2 Venture Drive, #24-01, VisionExchange, Singapore 608526

Great Power Japanese Office

36-4-3, Kamikobata-cho, Sabae-shi, Fukui-ken, Japan