

总部地址:广州市番禺区沙湾镇市良路西村段912号
Headquarters Address: No. 912 Shiliang Road,
Shawan town, Panyu, Guangzhou, China

Web: <http://www.greatpower.net>
Tel: +86 020 39196888
Email: sales@greatpower.net



官网
Official Website



微信公众号
Official WeChat



Youtube Facebook Twitter LinkedIn Pinterest

Search Q: Great Power

鹏辉消费类电池产品手册

GREATPOWER CONSUMER BATTERY MANUAL

全球领先的锂电池制造商

WORLD-CLASS BATTERY MANUFACTURER

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



160万 m²
占地面积
Covering an Area
of 1,600,000 m²



9大
工业园
9 Production
Facilities

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

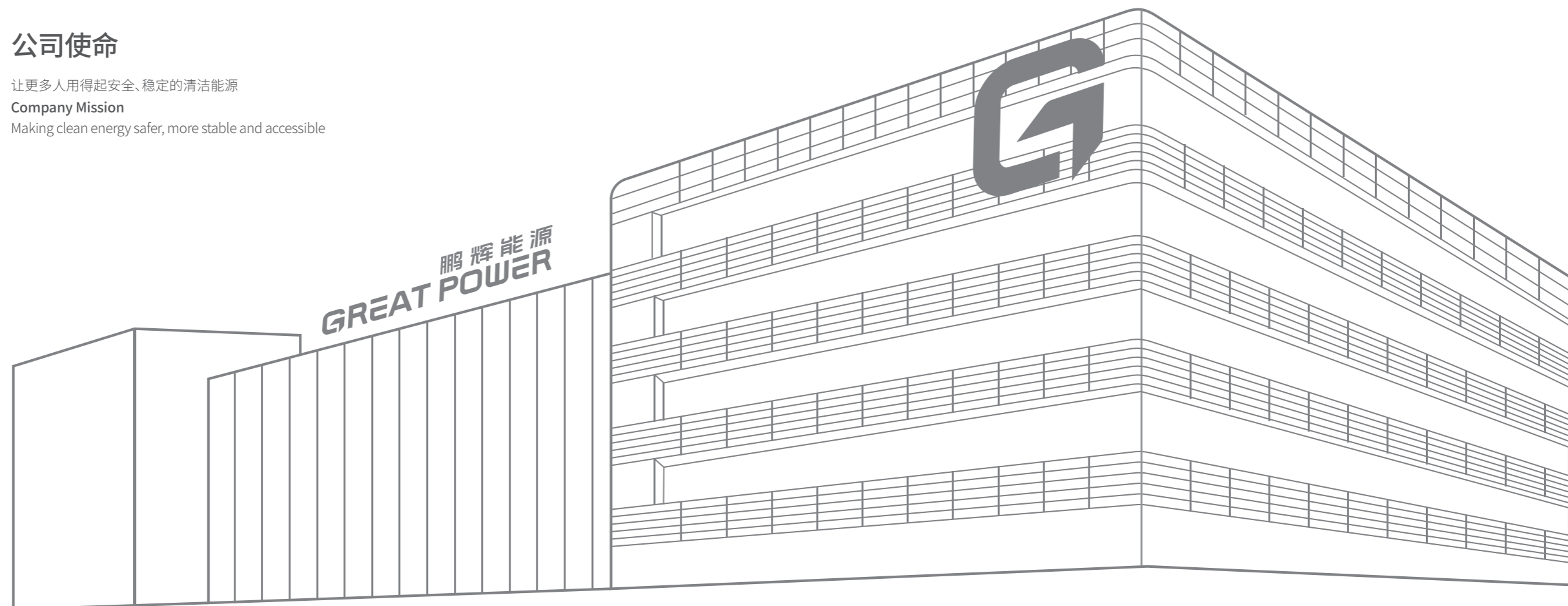
To become a global leader in battery storage technology

公司使命

让更多人用得起安全、稳定的清洁能源

Company Mission

Making clean energy safer, more stable and accessible



公司历程 COMPANY MILESTONES

2001

公司成立
Great Power founded

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

2013

河南鹏辉成立
Henan GP founded

2011

第一款储能产品发布
First-generation energy storage battery was launched

2015

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

2018

建立江苏工业园, 并购佛山实达
Changzhou GP founded
Acquired SHIDA Battery

2021

河南二期投入量产
Henan GP II started mass production

2019

实施聚焦储能战略, 建立柳州工业园
Liuzhou GP founded
Strategic focus on energy storage

2022

建立衢州工业园
Quzhou GP founded

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

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

2024

设立印尼办事处, 建立越南工厂
The Indonesian Office founded/The Vietnam GP founded

产品领域 PRODUCTS

01 储能电池 Energy Storage Solution



02 消费电池 Consumer Battery



03 动力电池 EV Battery



04 光储充智慧充电 Intelligent PV



消费电池 CONSUMER BATTERY

鹏辉在消费电池有二十余年研发制造经验,产品型号齐全,产品以锂电池为主,包含一次性电池和可充电电池,并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。

产品运用于消费者生活的方方面面,如平板电脑、电子烟、ETC、充电宝、安防、蓝牙设备、个人护理电器、智能物联、智能穿戴、TWS耳机、灯具等,为消费者的数字生活增添能量。

Great Power has over 20 years experience in consumer battery manufacturing. It ranks top 10 in the global consumer battery market with a complete range of products, including primary batteries and secondary batteries, among which lithium ion batteries are the majority. The company also provides customized batteries to meet customer needs.

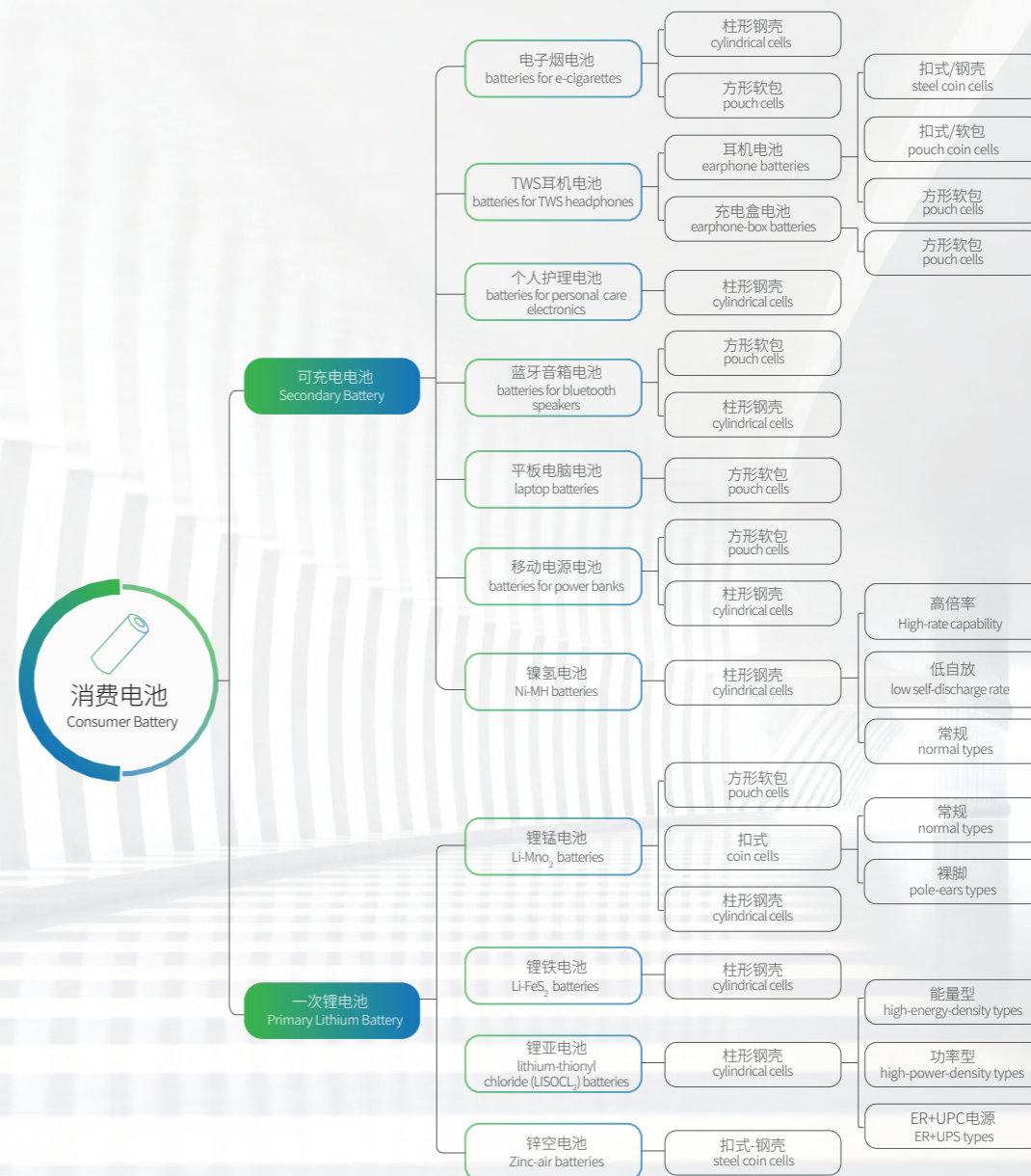
The batteries used in almost all aspects of life, such as Tablet PC, e-cigarettes, ETC, power bank, security, bluetooth devices, personal care electronics, intelligent IoT, intelligent wearable, TWS earphones, lighting fixtures, etc. The batteries improve the life quality of consumers in this digital era.

主力客户: HARMAN、Honeywell、PHILIPS、TTI、合元、塞尔美、罗马仕、小米及生态链等

Key Customers: HARMAN, Honeywell, PHILIPS, TTI, Heyuan, Selme, Romex, Xiaomi, BULL Electric, etc.



产品型谱 Product Line



产品认证 Product certification



供应优势 SUPPLY ADVANTAGES

鹏辉可提供完整的消费电池产品及电池解决方案。公司产品有品类齐全、品质优异、一致性好及产能足的优势。
Great Power can provide complete consumer battery products and battery solutions. The company's products have the advantages of a complete range of models, excellent quality, good consistency, and sufficient production capacity.



品类齐全 A Complete Range of Models

鹏辉积累了二十余年聚合物电池生产经验，产品型号齐全，已有数百款电池模具。
Great Power has accumulated more than 20 years of experience in the production of polymer batteries. The company has a complete range of product models and already has hundreds of battery molds.



品质优异 Excellent Quality

鹏辉电池高效能、长循环、高安全，获得客户青睐，认证通往全球。
Great Power's products show excellent safety performance, long cycle life, and high efficiency, which has helped the company win customers and certificates across the globe.



一致性好 Good Consistency

自动化生产线与质量管理体系，保证产品一致性好
Automated production lines and quality management systems ensure good product consistency.

产能保障 Production Capacity

上市公司，8大工业园和多条现代化产线，产能充足，反应及时
Great Power is a listed company with 8 production bases and multiple advanced production lines, which ensures the sufficient production capacity and timely response for after-sales service

充电电池 Secondary Battery					
产品类别 product types	电子烟电池 batteries for e-cigarette		钢壳个人护理类电池 cylindrical batteries for personal electronics	钢壳扣式电池 steel coin cells	软包扣式电池 pouch coin cells
产能 production capacity	600K/day		150-200K/ day	80-100K/ day	60-100K/ day

一次性电池 Primary Battery						
产品类别 product types	锂锰电池 cylindrical Li-MnO ₂ batteries	锂锰软包 pouch Li-MnO ₂ cells	锂铁电池 Li-FeS ₂ batteries	锂亚能量型 Li-SOCl ₂ Energy Type	锂亚高功率型 High Power Li-SOCl ₂ Type	锂亚高温型 High Temperature Power Li-SOCl ₂ Type
产能 production capacity	100K/day	100K/ day	80K/ day	600K/ month	80K/ month	200K/ month

技术专利 TECHNICAL PATENTS

二十余载电池研发制造经历, 鹏辉一直追求高安全、长循环、高效率的产品性能, 从材料开发、工艺创新、结构设计和模块/系统构建等方面全面提升产品安全、循环和能效性能水平, 已注册及申请发明专利100+, 产品认证超1500份。

Great Power has specialized in manufacturing, research and development of lithium, consumer batteries for more than 20 years. The company's products show excellent safety performance, long cycle life, and high efficiency, which attributes to the company's sustained technological innovation in material research, manufacturing, structural design, and module/system design. The company has registered and applied for more than 100 invention patents and obtained more than 1500 product certifications.

研发实力 R&D STRENGTH

 2200+ 技术人员 Engineers	 4大 研究院 Research Institutes
 2个 省级科研站 Provincial-level Research Centers	 1个 国家级博士后科研工作站 National-level Postdoctoral Research Center
 1个 检测中心 Testing 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



鹏辉消费电池技术事件

- 2001年 1800m Ah镍氢电池科技成果鉴定为“国际先进水平”
- 2004年 率先成功开发锂铁电池 (Li-FeS₂), 填补国内产业空白
- 2006年 “聚合物电池及制造方法”在第十六届全国发明展览会荣获金奖
- 2009年 参与起草《磷酸铁锂蓄电池模块通用要求》、《锰酸锂蓄电池模块通用要求》等行业标准

Technology Milestones Of Great Power Consumer Battery

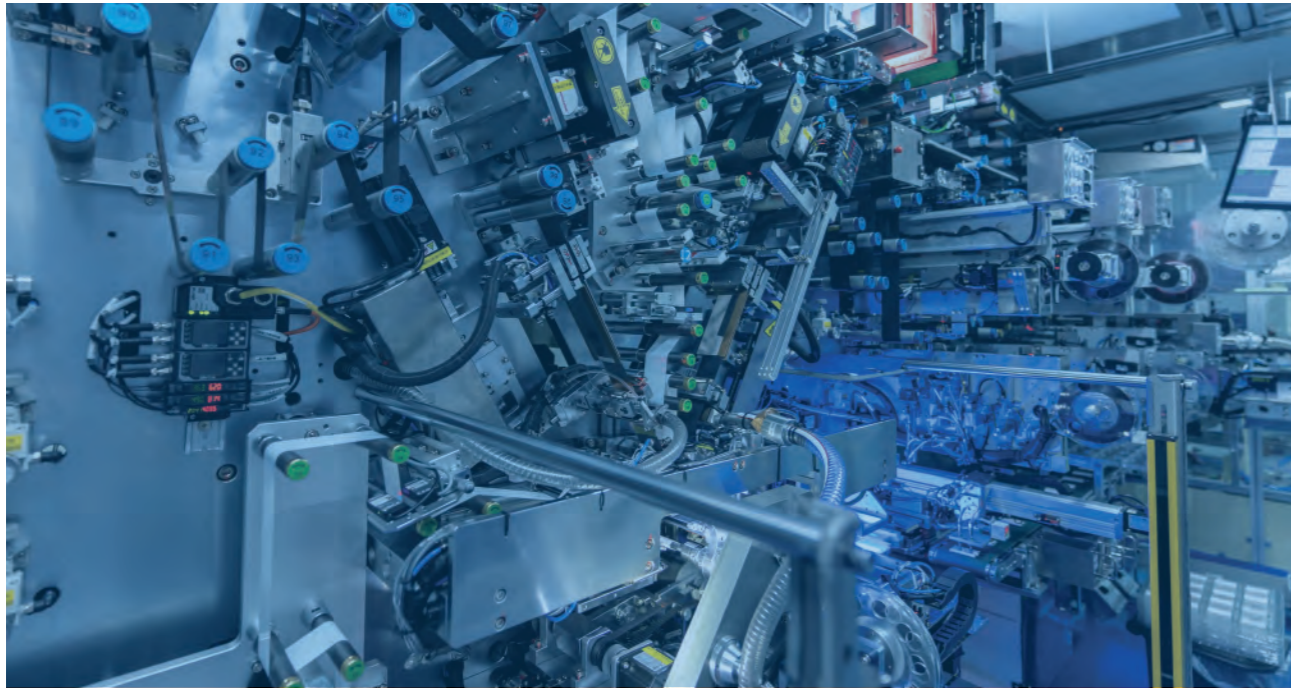
- In 2001, The technology of 1800m Ah nickel hydrogen battery was recognized as "international advanced level "international advanced level"
- In 2004, the company developed lithium-iron (Li FeS₂) battery technology filling out the blank space of battery technology in the industry of China
- In 2006, *Polymer Batteries and Manufacturing Methods* received the gold award at the 16th National Invention Exhibition
- In 2009, Great Power participated in drafting industry standards, including *General Requirements for Lithium Iron Phosphate Battery Modules* and etc. *General Requirements for Lithium Manganate Battery Modules*

部分专利列表

- 传承东芝五十多项专利
- 《一种纽扣电池及电子产品》
- 《一种纽扣电池外壳结构、纽扣电池以及用电设备》
- 《一种扣式锂离子电池正极壳》
- 《一种扣式锂离子电池负极壳》
- 《异型极耳及扣式软包锂电池》
- 《极耳及软包扣式锂离子电池》
- 《极耳、软包扣式锂离子电池及其制作方法》
- 《电池外壳及锂电池》
- 《一种锂离子电池》
- 《一种锂离子电池以及制作方法》
- 《纽扣电池及其制造方法》
- 《一种含厚极片的扣式锂离子电池的制备方法》
- 《一种无汞锌浆组合物及具有该组合物的无汞锌空气电池》
- 《锌空气电池正极及其正极粉干法制备工艺和锌空气电池》
- 《空气电池及电池组件》
- 《一种锌空气电池》
- 《纽扣电池及其制造方法》

Selected Patent List

- *Owns over 50 patents from Toshiba*
- *A Type of Coin Cell and Electronic Product*
- *A Shell Structure of Coin Cell, Coin Cell and Electrical Equipment*
- *A Positive Electrode Shell of Coin Li-on Cell*
- *A Negative Electrode Shell of Coin Li-on Cell*
- *Special Tab And Pouch Coin Lithium Battery*
- *Tab and Pouch Coin Cell of Li-on Batteries*
- *Tab, Pouch Coin Cell of Li-on Batteries and Their Production Method*
- *Shell and Lithium Battery*
- *A Type of Li-on Batteries Lithium-Ion Battery*
- *A Type of Li-on Batteries Lithium-Ion Battery And Its Production Method*
- *Coin Cell and Its Manufacturing Method*
- *A Preparation Method for Coin Li-on Batteries with Thick Electrode Plates*
- *A Mercury-free Zinc Paste Composition and A Mercury-free Zinc-air Battery containing the Composition*
- *Zinc-air Battery Positive, Its Dry Preparation Process and Zinc-air Battery*
- *Air Batteries and its Components*
- *A Type of Zinc Air Battery*
- *Coin Cell and Its Manufacturing Method*



生产管理 Advantages of Production Management

- 引入全球先进生产线
- 制造环境FFU全覆盖
- 环境管控达到6级
- 以品质为第一目标的生产工艺流程设置
- 关键生产点设置24小时监控
- Imported production lines
- Full coverage of FFU manufacturing environment
- class 6 of environmental control
- Production process setting determined by quality requirement
- 24-hour monitoring and control of key production processes

关键工艺 Key Processes

叠片电池: 采用行业先进的叠片技术, 完美解决隔膜打皱, overhang控制。

圆柱电池: 引进世界最先进的全套韩国装配线, 卷绕、装配至检测段优势明显。

Laminated battery: adopt industrial advanced stacking technology for solving separator wrinkling to achieve overhang control.

Cylindrical battery: advanced production line imported from Korea with better winding, assembly and detection sections.

品质保证 QUALITY ASSURANCE

鹏辉认为品质的基石是严格的产品全周期闭环质量管控

Great Power believes that high quality stems from the stringent quality control management during the entire manufacturing process.

公司已通过 ISO9001、ISO14001、IATF16949 认证

Quality Management System: ISO9001, ISO14001, IATF16949

公司以品质为生命, 已构筑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 等国际认证以及《电动汽车用锂离子蓄电池》QCT-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。

Providing high-quality products beyond expectations is the company's unremitting pursuit. All manufacturing facilities have certifications of ISO9001, ISO14001, IATF16949, GJB9001B, and OHSAS18000, respectively, guaranteeing a strict quality management system that adds customer value. All ESS batteries are certified by UL, RoHS, CE, and QCT-743-2006, respectively.



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





产品介绍
PRODUCT INTRODUCTION

可充电电池
SECONDARY BATTERY



电子烟电池

Batteries for E- cigarettes

产品优势:

- 专利低温型电子烟电池, 技术支持产品可在-10°C温度下使用
- 采用高能量密度材料体系, 容量足, 一次充电可多抽几口
- 部分产品支持10C放电
- 自放电小
- 已有几百种型号模具可供订制
- 全自动生产线及标准化工艺, 产品一致性好

Advantages:

- The cells with patent of low-temperature technology support e-cigarettes operating at -10°C
- High capacity and durability by using high energy density materials
- Some models support 10C discharging
- Hundreds of mold types available for customization
- Small self-discharge
- Excellent consistency achieved by automatic production line and standardized process



电子烟电池(软包)推荐型号

Recommended pouch cells for e-cigarettes

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions		
					Charge	Discharge	Thickness	Width	Length
1	801435	350 mAh	90 mΩ	3.7 V	≤ 2.0 C	≤ 3.0 A	8.0 mm	14.5 mm	34.0 mm
2	461436	210 mAh	100 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 A	4.6 mm	14.0 mm	36.5 mm
3	801437	370 mAh	90 mΩ	3.7 V	≤ 2.0 C	≤ 3.0 A	8.0 mm	14.5 mm	35.5 mm
4	501447	280 mAh	70 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 A	5.0 mm	14.5 mm	45.5 mm
5	781536	360 mAh	65 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 A	7.8 mm	15.0 mm	34.0 mm
6	651545	280 mAh	70 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 A	6.5 mm	15.0 mm	43.0 mm
7	451645	250 mAh	60 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 A	4.5 mm	16.0 mm	44.0 mm
8	822127	400 mAh	90 mΩ	3.7 V	≤ 2.0 C	≤ 3.0 A	8.2 mm	21.0 mm	27.5 mm
9	122243	1100 mAh	65 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 A	12.5 mm	22.0 mm	43.0 mm
10	522343	520 mAh	50 mΩ	3.7 V	≤ 2.0 C	≤ 3.0 A	5.5 mm	23.5 mm	43.5 mm

电子烟电池(柱形)推荐型号

Recommended cylindrical cells for e-cigarettes

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	08400FP	200 mAh	90 mΩ	3.7V	≤2.5C	≤2.5A	8.5mm	41.0mm
2	09390	200 mAh	70 mΩ	3.7V	≤1.0C	≤3.0A	9.2mm	39.5mm
3	13300	400 mAh	80 mΩ	3.7V	≤1.0C	≤3.0A	13.4mm	30.0mm
4	13300	480 mAh	80 mΩ	3.7V	≤2.0C	≤2.0C	13.4mm	30.0mm
5	13350P	500 mAh	60 mΩ	3.7V	≤1.0C	≤3.0A	13.0mm	35.0mm
6	13400P	550 mAh	60 mΩ	3.7 V	≤1.0C	≤3.0A	13.0mm	40.5mm
7	13450P	650 mAh	50 mΩ	3.7V	≤1.0C	≤3.0A	13.3mm	46.5mm
8	13600	920 mAh	60 mΩ	3.7V	≤0.5A	≤3.0A	13.3mm	60.5mm
9	16350P	650 mAh	45 mΩ	3.7V	≤1.0C	≤3.0A	15.7mm	36.0mm
10	16450	1000 mAh	50 mΩ	3.7V	≤1.0C	≤5.0A	15.7mm	45.0mm
11	16550P	1500 mAh	50 mΩ	3.7V	≤1.0C	≤6.0A	16.2mm	58.5mm
12	17350P	850 mAh	80 mΩ	3.7V	≤1.0C	≤5.0A	17.0mm	35.5mm
13	18350P	1000 mAh	60 mΩ	3.7V	≤1.0C	≤5.0A	18.3mm	36.0mm
14	18500	1450 mAh	60 mΩ	3.7V	≤1.0C	≤5.0A	18.3mm	51.0mm
15	21350	1400 mAh	40 mΩ	3.7V	≤1.0C	≤5.0A	20.7mm	35.5mm



TWS耳机电池

Batteries for TWS Headphones

产品优势:

- 安全性能优异
- 专属T型和软包专利的结构,有效利用空间
- 能满足4-6C快充和4.4V高电压性能要求
- 通过GB31241、IEC62133、UL、UN38.3等要求的各项安全测试

Advantages:

- Excellent safety performance
- T-shaped and patented structure of pouch cells benefits to the space utilization
- Have passed various safety tests, including GB31241, IEC62133, UL, UN38.3, etc.
- Meet the performance requirements of 4-6C fast charging and 4.4V high voltage



TWS耳机电池--软包扣式电池推荐型号

Recommended pouch coin cells for TWS headphones

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	1040	30 mAh	600 mΩ	3.7V	≤ 1.0C	≤ 1.0C	10.0 mm	4.4 mm
2	1145	40 mAh	550 mΩ	3.85V	≤ 2.0C	≤ 1.0C	11.2 mm	4.5 mm
3	1154	57 mAh	500 mΩ	3.7V	≤ 1.0C	≤ 1.0C	11.2 mm	5.6 mm
4	1254	62 mAh	500 mΩ	3.7V	≤ 1.0C	≤ 1.0C	12.2 mm	5.6 mm
5	1254	70 mAh	500 mΩ	3.85V	≤ 2.0C	≤ 1.0C	12.2 mm	5.6 mm

TWS耳机电池--钢壳扣式电池

Recommended steel coin cells for TWS headphones

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	1040	35 mAh	700 mΩ	3.7V	≤ 1.0C	≤ 1.0C	10.0 mm	4.4 mm
2	1054	40 mAh	650 mΩ	3.7V	≤ 1.0C	≤ 1.0C	10.0 mm	5.6 mm
3	1240	50 mAh	600 mΩ	3.7V	≤ 1.0C	≤ 1.0C	12.2 mm	4.4 mm
4	1254	60 mAh	550 mΩ	3.7V	≤ 1.0C	≤ 1.0C	12.2 mm	5.6 mm
5	1254	70 mAh	550 mΩ	3.85V	≤ 2.0C	≤ 1.0C	12.2 mm	5.6 mm
6	1440	50 mAh	600 mΩ	3.7V	≤ 1.0C	≤ 1.0C	14.2 mm	4.4 mm
7	1440	65 mAh	600 mΩ	3.85V	≤ 2.0C	≤ 1.0C	14.2 mm	4.4 mm
8	1454	85 mAh	500 mΩ	3.7V	≤ 1.0C	≤ 1.0C	14.2 mm	5.6 mm
9	1654	110 mAh	450 mΩ	3.7V	≤ 1.0C	≤ 1.0C	16.2 mm	5.6 mm

TWS耳机电池--软包方形电池推荐型号

Recommended pouch cells for TWS headphones

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions		
					Charge	Discharge	Thickness	Width	Length
1	380616	25 mAh	700 mΩ	3.85V	≤ 1.0C	≤ 1.0C	4.0 mm	6.7 mm	16.0 mm
2	521012	48 mAh	560 mΩ	3.7V	≤ 1.0C	≤ 1.0C	5.4 mm	10.0 mm	12.5 mm
3	541012	47 mAh	600 mΩ	3.8V	≤ 2.0C	≤ 1.0C	5.4 mm	10.0 mm	12.5 mm
4	501018	68 mAh	300 mΩ	3.7V	≤ 0.5C	≤ 1.0C	5.0 mm	10.0 mm	18.0 mm
5	541112	43 mAh	500 mΩ	3.7V	≤ 1.0C	≤ 1.0C	5.2 mm	10.8 mm	11.5 mm
6	351624	100 mAh	400 mΩ	3.7V	≤ 0.5C	≤ 1.0C	3.5 mm	16.5 mm	24.5 mm

TWS耳机电池--充电盒电池推荐型号

Recommended pouch cells for TWS headphone boxes

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions		
					Charge	Discharge	Thickness	Width	Length
1	501340	300 mAh	150 mΩ	3.7V	≤ 0.5C	≤ 1.0C	5.0 mm	13.0 mm	40.0 mm
2	981641	750 mAh	90 mΩ	3.7V	≤ 1.0C	≤ 1.0C	9.8 mm	16.3 mm	41.5 mm
3	111632	500 mAh	130 mΩ	3.7V	≤ 1.0C	≤ 1.0C	11.0 mm	16.0 mm	32.0 mm
4	101736	750 mAh	90 mΩ	3.7V	≤ 1.0C	≤ 1.0C	10.5 mm	17.5 mm	36.0 mm
5	801833	550 mAh	120 mΩ	3.8V	≤ 1.0C	≤ 1.0C	8.0 mm	17.8 mm	33.0 mm
6	771833	500 mAh	120 mΩ	3.8V	≤ 1.0C	≤ 1.0C	7.9 mm	17.8 mm	33.0 mm
7	581943	550 mAh	80 mΩ	3.7V	≤ 1.0C	≤ 2.0C	5.9 mm	19.5 mm	43.5 mm
8	582033	410 mAh	100 mΩ	3.85V	≤ 1.0C	≤ 2.0C	5.8 mm	20.5 mm	33.5 mm
9	062040	500 mAh	120 mΩ	3.7V	≤ 1.0C	≤ 1.0C	6.0 mm	20.5 mm	39.5 mm
10	602045	560 mAh	80 mΩ	3.7V	≤ 0.5C	≤ 1.0C	6.0 mm	20.0 mm	45.0 mm
11	582326	300 mAh	120 mΩ	3.7V	≤ 0.5C	≤ 1.0C	5.9 mm	23.5 mm	26.0 mm
12	582631	540 mAh	130 mΩ	3.85V	≤ 1.0C	≤ 1.0C	5.8 mm	26.5 mm	31.5 mm

个人护理类电池

Batteries for Personal Care Electronics



产品优势:

- 产品型号齐全, 圆柱钢壳产品有三元、锰酸锂和磷酸铁锂体系
- 直径由10mm至26mm, 高度由10mm至75mm
- 快充倍放, 产品满足客户1h充满电需求
- 支持最大5C持续放电能力

Advantages:

- A full range of models, including ternary, lithium manganese oxide and lithium iron phosphate batteries.
- The diameters range from 10mm to 26mm with heights from 10mm to 75mm.
- The batteries have fast charging and double discharging capabilities which meet the requirements of full charge within one hour.
- Maximum continuous discharge capacity exceeds 5 C.

移动电源电池

Batteries for Power Banks



产品优势:

产品型号齐全、产品安全耐用、一致性好

Advantages:

A full range of models, excellent safety performance, long cycle life and excellent consistency

个人护理类电池推荐型号

Recommended cylindrical cells for personal care electronics

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	ICR10280	180 mAh	110 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	10.1 mm	28.0 mm
2	ICR10440	350 mAh	70 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	10.1 mm	43.6 mm
3	ICR14280	350 mAh	100 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	14.0 mm	28.3 mm
4	ICR14430	600-700 mAh	70 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	14.0 mm	43.0 mm
5	ICR14480	800 mAh	65 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	14.0 mm	48.8 mm
6	ICR14500	600-800 mAh	65 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	14.0 mm	50.2 mm
7	IFR14500	600 mAh	60 mΩ	3.2 V	≤ 1.0 C	≤ 3.0 C	14.0 mm	50.2 mm
8	ICR14650	1100-1200 mAh	60 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	14.0 mm	65.2 mm
9	ICR16310	650 mAh	100 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	16.4 mm	31.2 mm
10	ICR17280	600 mAh	100 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	16.4 mm	28.2 mm
11	ICR17335	700 mAh	110 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	16.4 mm	33.2 mm
12	ICR17500	1200 mAh	65 mΩ	3.7 V	1.0 C	3.0 C	16.4 mm	50.5 mm
13	ICR16650	1600 mAh	100 mΩ	3.7 V	1.0 C	3.0 C	16.4 mm	65.5 mm
14	ICR18350	900 mAh	100 mΩ	3.7 V	1.0 C	3.0 C	18.3 mm	34.6 mm
15	ICR18500	1400-1600 mAh	60 mΩ	3.7 V	1.0 C	2.0 C	18.3 mm	49.5 mm
16	ICR18650	2200-2600 mAh	60 mΩ	3.7 V	0.5 C	3.0 C	18.3 mm	65.2 mm

移动电源电池推荐型号

Recommended pouch cells for personal electronics

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions		
					Charge	Discharge	Thickness	Width	Length
1	955565	5000 mAh	45 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	9.5 mm	55.0 mm	65.5mm
2	105570	5000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	10.0 mm	55.0 mm	70.0 mm
3	5758102	5000 mAh	35 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	5.7 mm	58.0 mm	102.5 mm
4	7258102	6000 mAh	50 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	7.2 mm	58.0 mm	102.5 mm
5	806090	5000 mAh	45 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	8.0 mm	60.0 mm	90.0 mm
6	116099	10000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	11.2 mm	60.0 mm	99.5 mm
7	1160103	10000 mAh	35 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	11.1 mm	60.5 mm	103.5 mm
8	1060110	10000 mAh	35 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	10.0 mm	60.0 mm	110.0 mm
9	1260110	10000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	12.0 mm	60.0 mm	110.0 mm
10	106168	5000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	10.0 mm	61.0 mm	68.0 mm
11	9373129	10000 mAh	30 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	9.3 mm	73.0 mm	129.0 mm
12	1260115	10000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	12.0 mm	60.0 mm	115.5 mm
13	706280	5000 mAh	50 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	7.2 mm	62.0 mm	79.5 mm
14	126280	10000 mAh	50 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	12.5 mm	62.0 mm	80.5 mm
15	1265115	10000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	12.0 mm	65.5 mm	115.5 mm

平板电脑电池

Laptop Batteries



应用领域:

笔记本电脑、平板电脑、IPAD等电子设备

Application field:

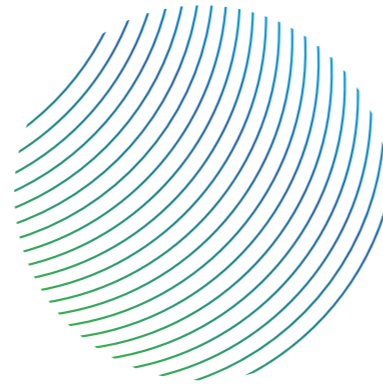
The batteries are installed in laptops and ipads, etc.

产品优势:

产品型号齐全, 产品安全耐用, 一致性好

Advantages:

A full range of models, excellent safety performance, long cycle life and excellent consistency



蓝牙音箱电池

Batteries for Loudspeakers



应用领域:

蓝牙音箱、智能音箱等产品

Application field:

The batteries are installed in Bluetooth speaker and intelligent speakers, etc.

产品优势:

型号齐全, 产品安全耐用, 一致性好

Advantages:

A full range of models, excellent safety performance, long cycle life and excellent consistency

平板电脑电池推荐型号

Recommended pouch cells for laptops

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions		
					Charge	Discharge	Thickness	Width	Length
1	3065125	3500 mAh	50 mΩ	3.8 V	≤ 0.5 C	≤ 1.0 C	2.95 mm	65.0 mm	125.5 mm
2	3866123	4650 mAh	40 mΩ	3.8 V	≤ 0.5 C	≤ 1.0 C	3.8 mm	66.0 mm	123.0 mm
3	297987	3100 mAh	50 mΩ	3.8 V	≤ 0.5 C	≤ 1.0 C	2.9 mm	79.5 mm	87.5 mm
4	3083103	3600 mAh	50 mΩ	3.8 V	≤ 0.5 C	≤ 1.0 C	3.1 mm	83.0 mm	103.0 mm
5	3285131	4800 mAh	32 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	3.2 mm	85.5 mm	131.5 mm
6	339191	4000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	3.3 mm	91.5 mm	91.5 mm
7	32100100	4000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	3.2 mm	100.5 mm	100.5 mm
8	27103107	4000 mAh	40 mΩ	3.8 V	≤ 0.5 C	≤ 1.0 C	2.9 mm	98.5 mm	101.5 mm
9	28105124	6000 mAh	40 mΩ	3.85 V	≤ 0.5 C	≤ 1.0 C	2.8 mm	105.5 mm	124.0 mm
10	26109137	5000 mAh	40 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	2.6 mm	109.7 mm	137.5 mm
11	26109137	6000 mAh	50 mΩ	3.8 V	≤ 0.5 C	≤ 1.0 C	2.6 mm	109.5 mm	137.5 mm

蓝牙音箱电池

Recommended pouch cells for Loudspeakers

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions		
					Charge	Discharge	Thickness	Width	Length
1	982242	1000 mAh	70 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	9.8 mm	22.0 mm	42.5 mm
2	582326	300 mAh	120 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	5.9 mm	23.5 mm	26.0 mm
3	042535	320 mAh	105 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	4.1 mm	25.0 mm	34.0 mm
4	822937	1000 mAh	60 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	8.1 mm	29.7 mm	37.8 mm
5	882990	3250 mAh	35 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	8.8 mm	30.0 mm	90.5 mm
6	932990	3250 mAh	35 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	9.7 mm	29.5 mm	90.5 mm
7	8231142	5100 mAh	30 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	8.9 mm	33.0 mm	142.5 mm
8	763477	2400 mAh	60 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	7.7 mm	34.0 mm	77.5 mm
9	943671	3000 mAh	40 mΩ	3.7 V	≤ 1.0 C	≤ 1.0 C	9.5 mm	36.5 mm	71.0 mm
10	983732	1300 mAh	70 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	9.8 mm	37.0 mm	32.5 mm
11	823939	1500 mAh	55 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	8.3 mm	39.3 mm	39.0 mm
12	314054	730 mAh	80 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	3.2 mm	39.7 mm	54.0 mm
13	344054	750 mAh	65 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	3.4 mm	39.7 mm	54.0 mm
14	862846	1100 mAh	50 mΩ	3.7 V	≤ 1.0 C	≤ 3.0 C	8.6 mm	28.5 mm	46.0 mm
15	983131	1000 mAh	70 mΩ	3.7 V	≤ 0.5 C	≤ 1.0 C	9.8 mm	31.5 mm	31.8 mm

储能圆柱电池

Cylindrical Batteries for Mobile Power



应用领域:

户外郊游、便携式移动电源

Application field:

Outdoor activities

产品优势:

- 使用寿命更长
- 故障率低
- 重量较轻、体积小、能量密度高, 便于携带
- 充电快速, 方便户外使用

Advantages:

- Longer service life
- Low failure rate
- Ease of carrying due to lighter weight and small size
- Serve as mobile power source with the capability of working at high charge and discharge rates.

电动工具类电池

Batteries for Power Tool



应用领域:

电钻、电动扳手、混凝土振动器、电动按摩仪、扫地机器人等

Application field:

Electric drills, electric massagers, sweeping robots and other power tools

产品优势:

倍率性能优异, 产品安全耐用, 全自动生产线, 一致性好

Advantages:

Full charging and discharging, excellent safety performance, fully automatic production line, high consistency

储能圆柱电池推荐型号

Recommended cylindrical cells for mobile power

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	IFR26650	3000 mAh	10 mΩ	3.2 V	≤ 1 C	≤ 10 C	26.0 mm	65.2 mm
2		3000 mAh	20 mΩ	3.2 V	≤ 1 C	≤ 3 C	26.0 mm	65.2 mm
3		3400 mAh	20 mΩ	3.2 V	≤ 1 C	≤ 3 C	26.0 mm	65.2 mm
4		3600 mAh	20 mΩ	3.2 V	≤ 1 C	≤ 3 C	26.0 mm	65.8 mm
5		3800 mAh	20 mΩ	3.2 V	≤ 1 C	≤ 3 C	26.0 mm	65.8 mm
6		4000 mAh	20 mΩ	3.2 V	≤ 1 C	≤ 2 C	26.0 mm	65.8 mm
7	SIB26650	2800 mAh	25 mΩ	3.0 V	≤ 1 C	≤ 3 C	26.0 mm	65.2 mm
8		3050 mAh	25 mΩ	3.0 V	≤ 1 C	≤ 3 C	26.0 mm	65.2 mm
9	21700	4200 mAh	25 mΩ	3.6 V	≤ 1 C	≤ 3 C	21.0 mm	70.0 mm
10		4600 mAh	25 mΩ	3.6 V	≤ 1 C	≤ 3 C	21.0 mm	70.0 mm
11		5000 mAh	30 mΩ	3.6 V	≤ 1 C	≤ 3 C	21.0 mm	70.0 mm
12	40135	20000 mAh	2 mΩ	3.2 V	≤ 1 C	≤ 3 C	40.0 mm	135.0 mm
13	46250	50000 mAh	0.7 mΩ	3.2 V	≤ 1 C	≤ 2 C	46.0 mm	250.0 mm

电动工具电池推荐型号

Recommended cylindrical cells for mobile power

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	18650	2000 mAh	16 mΩ	3.6 V	≤ 1 C	≤ 15 C	18.0 mm	65.2 mm
2	18650	2000 mAh	16 mΩ	3.6 V	≤ 1 C	≤ 10 C	18.0 mm	65.2 mm
3	18650	2500 mAh	16 mΩ	3.6 V	≤ 1 C	≤ 8 C	18.0 mm	65.2 mm

两轮车/平衡车电池

Batteries for Electric two-wheelers and electric balance bikes



应用领域:

电动两轮车、电动自行车、电动滑板车、电动平衡车等

Application field:

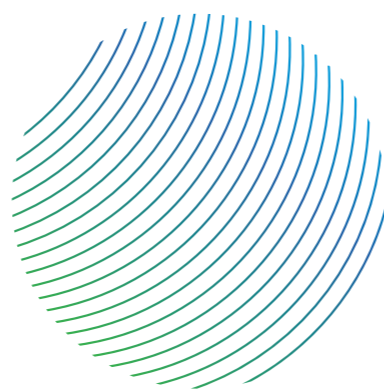
Electric two-wheelers, electric bicycles, electric scooters, electric balance bikes, etc.

产品优势:

循环性能好, 倍率性能优异, 产品安全耐用, 产品多领域运用, 全自动生产线, 一致性好

Advantages:

Full charging and discharging, excellent Safety performance, fully automatic production line, applied in many fields, high consistency



两轮车/平衡车电池推荐型号

Recommended cylindrical cells for mobile power

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	18650	2000 mAh	35 mΩ	3.6 V	≤ 1 C	≤ 3 C	18.0 mm	65.2 mm
2	18650	2500 mAh	25 mΩ	3.6 V	≤ 1 C	≤ 3 C	18.0 mm	65.2 mm
3	18650	3000 mAh	30 mΩ	3.6 V	≤ 1 C	≤ 3 C	18.0 mm	65.2 mm

镍氢电池

Ni-MH Batteries

应用领域:

电力仪表、测绘仪器、便携式血压仪、血糖测试仪、探照灯、手电筒、飞机航模、遥控车、电动工具等

Application field:

Widely used in the fields of consumer electronics, such as power instruments, surveying instruments, portable electronic sphygmomanometer, blood sugar testers, flashlights, aircraft models, remote control vehicles, and power tools, etc.

产品优势:

- 型号齐全, 产品安全耐用, 一致性好
- 高容量型: 容量高、输出稳定
- 低自放电型: 低自放电: 储存3年, 电量≥70%, 超低自放电: 储存5年, 电量≥75%
- 长寿命型: IEC循环≥1000次

Advantages:

- A full range of models, excellent safety performance, long cycle life and excellent consistency
- High-capacity Type: high capacity and stable output
- Low Self-discharge Type: 3 years storage with capacity ≥ 70%
- Ultra-low Self-discharge Type: 5 years storage with capacity ≥ 75%
- Long cyclelife Type: IEC cycles ≥ 1000 times



高容量型电池型号推荐表

Recommended High-capacity Type models of Ni-MH batteries

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	AAA900	900 mAh	≤ 35 mΩ	1.2 V	90 mA	180 mA	10.5 mm	44.5 mm
2	AAA1100	1100 mAh	≤ 35 mΩ	1.2 V	110 mA	220 mA	10.5 mm	44.5 mm
3	AA2300	2300 mAh	≤ 30 mΩ	1.2 V	230 mA	460 mA	14.5 mm	50.5 mm
4	AA2600	2600 mAh	≤ 30 mΩ	1.2 V	260 mA	520 mA	14.5 mm	50.5 mm
5	A2800	2800 mAh	≤ 25 mΩ	1.2 V	280 mA	560 mA	17.0 mm	50.0 mm
6	SC3500	3500 mAh	≤ 25 mΩ	1.2 V	350 mA	700 mA	25.8 mm	43.0 mm
7	C5000	5000 mAh	≤ 20 mΩ	1.2 V	500 mA	1000 mA	25.8 mm	51.0 mm
8	D11000	11000 mAh	≤ 20 mΩ	1.2 V	1100 mA	2200 mA	33.0 mm	61.0 mm
9	F13000	13000 mAh	≤ 20 mΩ	1.2 V	1300 mA	2600 mA	33.0 mm	90.5 mm
10	9V250	250 mAh	≤ 1200 mΩ	8.4 V	25 mA	50 mA	17.5(T)×26.5(W)×48.5(H) mm	

低自放电型电池型号推荐表

Recommended Self-discharge Type models of Ni-MH batteries

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	AAA800L	800 mAh	≤ 35 mΩ	1.2 V	80 mA	160 mA	10.5 mm	44.5 mm
2	AAA950L	950 mAh	≤ 35 mΩ	1.2 V	95 mA	190 mA	10.5 mm	44.5 mm
3	AA2000L	2000 mAh	≤ 30 mΩ	1.2 V	200 mA	400 mA	14.5 mm	50.5 mm
4	AA2500L	2500 mAh	≤ 30 mΩ	1.2 V	250 mA	500 mA	14.5 mm	50.5 mm
5	C4500L	4500 mAh	≤ 20 mΩ	1.2 V	450 mA	900 mA	25.8 mm	51.0 mm
6	D8000L	8000 mAh	≤ 20 mΩ	1.2 V	800 mA	1600 mA	33.0 mm	61.0 mm
7	9V230L	230 mAh	≤ 1200 mΩ	8.4 V	23 mA	46 mA	17.5(T)×26.5(W)×48.5(H) mm	

宽温型电池推荐表

Recommended Wide-temperature Type models of Ni-MH batteries

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Operation Temperature	Discharge	Diameter	Height
1	AAA600	600 mAh	≤ 35 mΩ	1.2 V	-40~85°C	120 mA	10.5 mm	44.5 mm
2	AA2000	2000 mAh	≤ 30 mΩ	1.2 V	-40~85°C	400 mA	14.5 mm	50.5 mm
3	SC2800	2800 mAh	≤ 25 mΩ	1.2 V	-40~85°C	560 mA	25.8 mm	43.0 mm
4	C4500	4500 mAh	≤ 20 mΩ	1.2 V	-40~85°C	900 mA	25.8 mm	51.0 mm



一次性类电池 PRIMARY BATTERIES

锂锰电池

Li-MnO₂ Batteris



应用领域:

医疗器械、安防设备、追踪器、电表、水表、电子标签、遥控器、汽车报警系统、玩具、手表等消费电子

Application fields:

Widely used in the fields of consumer electronics, such as medical devices, security equipment, trackers, electricity meters, water meters, FRID, electronic labels, remote controls, car-alarm systems, toys, watches, etc.

产品优势:

型号齐全, 产品安全耐用, 一致性好

Advantages:

A full range of models, excellent safety performance, long cycle life and excellent consistency

锂锰电池 Li-MnO ₂ Batteries			
类型 Types	柱式 Cylindrical Cells	方形软包 Pouch Cells	扣式 Coin Cells
使用温度 Operation Temperature	-40°C~70°C	-40°C~60 °C (Conventional Type) -40°C~80 °C (High-temperature Type)	-20°C~70°C
安全 Safety	高安全, 防爆组合件盖帽, PTC过流保护 High safety, explosion-proof assembly cap and PTC overcurrent protection	软包, 当发生安全隐患时只会鼓气裂开 Low risk and only swelling risk in extreme hazardous cases	安全性高 High safety
寿命 Storage life	年自放电率<2%, 储存寿命>10年 Annual self-discharge rate<2%, storage life>10 years		
其他 Others	· 绿色环保原材料 · 高倍率型电池可提供大电流放电 · Green raw materials · Some types can provide high discharge current	· 绿色环保原材料 · Green raw materials	· 绿色环保原材料 · 标称电压3.0V, 电压约为碱性干电池和氧化银电池的2倍 · Green raw materials · The nominal voltage is 3.0V, about two times of that of alkaline dry batteries and silver oxide batteries

锂锰圆柱电池型号推荐

Recommended cylindrical Li-MnO₂ batteries

No.	产品型号 Product No.	标称电压 Nominal Voltage	标称容量 Nominal Capacity	放电电流 Discharge Current			工作温度 Operation Temperature	外形最大尺寸 External Dimensions	
				Rate	Max	Maximum Pulse		Diameter	Height
1	CR14250	3.0V	800 mAh	1 mA	500 mA	1000 mA	-40~70 °C	14.5 mm	25.0 mm
2	CR14505	3.0V	1600 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	14.5 mm	50.5 mm
3	CR2	3.0V	800 mAh	1 mA	800 mA	1600 mA	-40~70 °C	15.5 mm	27.0 mm
4	CR2	3.0V	900 mAh	1 mA	800 mA	1600 mA	-40~70 °C	15.5 mm	27.0 mm
5	CR123A	3.0V	1300 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	17.0 mm	34.5 mm
6	CR123A	3.0V	1500 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	17.0 mm	34.5 mm
7	CR123A	3.0V	1700 mAh	1 mA	2000 mA	4000 mA	-40~70 °C	17.0 mm	34.5 mm
8	CR17450	3.0V	2400 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	17.0 mm	45.0 mm
9	CR17505	3.0V	2800 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	17.0 mm	50.5 mm
10	CR18500	3.0V	3000 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	18.0 mm	50.5 mm
11	CR-P2	6.0V	1500 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	19.5T*35W mm	36.0 mm
12	2CR5	6.0V	1500 mAh	1 mA	1500 mA	3000 mA	-40~70 °C	17T*34W mm	45.0 mm
13	CR9V	9.0V	1200 mAh	1 mA	1000 mA	1500 mA	-40~60 °C	17.5T*26.5W mm	48.5 mm

锂锰软包电池型号推荐

Recommended pouch Li-MnO₂ batteries

No.	产品型号 Product No.	标称电压 Nominal Voltage	标称容量 Nominal Capacity	放电电流 Discharge Current			工作温度 Operation Temperature	外形最大尺寸 External Dimensions		
				Rate	Max	Maximum Pulse		Thickness	width	Height
1	CF502440	3.0V	1200 mAh	1 mA	600 mA	1000 mA	-40~60 °C	5.2 mm	25.0 mm	42.0 mm
2	CF234044	3.0V	600 mAh	1 mA	100 mA	300 mA	-40~60 °C	2.3 mm	40.0 mm	44.5 mm
3	CF104848	3.0V	400 mAh	1 mA	50 mA	100 mA	-40~60 °C	1.1 mm	48.5 mm	48.5 mm
4	CF402030	3.0V	460 mAh	1 mA	200 mA	400 mA	-40~60 °C	4.2 mm	20.5 mm	31.0 mm
5	CF224147	3.0V	800 mAh	1 mA	500 mA	1000 mA	-40~60 °C	2.3 mm	44.5 mm	48.0 mm
6	CF452339	3.0V	800 mAh	1 mA	500 mA	1000 mA	-40~60 °C	4.8 mm	24.0 mm	40.0 mm
7	CF603742	3.0V	2400 mAh	1 mA	1000 mA	2000 mA	-40~60 °C	6.2 mm	38.0 mm	43.0 mm
8	CF623840	3.0V	2200 mAh	1 mA	1000 mA	2000 mA	-40~60 °C	6.4 mm	38.0 mm	40.0 mm

锂锰扣式电池(裸电)型号推荐

Recommended bare Li-MnO₂ cells

No.	产品型号 Product No.	标称电压 Nominal Voltage	标称容量 Nominal Capacity	放电电流 Discharge Current			工作温度 Operation Temperature	外形最大尺寸 External Dimensions	
				Rate	Max	Maximum Pulse		Diameter	Height
1	CR1220	3.0 V	40 mAh	62 kΩ	1.0 mA	5.0 mA	-30~70 °C	12.5 mm	2.0 mm
2	CR1225	3.0 V	50 mAh	62 kΩ	1.0 mA	5.0 mA	-30~70 °C	12.5 mm	2.0 mm
3	CR1616	3.0 V	50 mAh	30 kΩ	2.0 mA	10.0 mA	-30~70 °C	16.0 mm	1.6 mm
4	CR1620	3.0 V	70~75 mAh	30 kΩ	2.0 mA	10.0 mA	-30~70 °C	16.0 mm	2.0 mm
5	CR1632	3.0 V	120~140 mAh	15 kΩ	2.0 mA	15.0 mA	-30~70 °C	16.0 mm	3.2 mm
6	CR2016	3.0 V	70~80 mAh	30 kΩ	2.0 mA	15.0 mA	-30~70 °C	20.0 mm	1.6 mm
7	CR2025	3.0 V	140~150 mAh	15 kΩ	3.0 mA	20.0 mA	-30~70 °C	20.0 mm	2.5 mm
8	CR2032	3.0 V	180~230 mAh	15 kΩ	3.0 mA	20.0 mA	-30~70 °C	20.0 mm	3.2 mm
9	CR2320	3.0 V	150 mAh	15 kΩ	3.0 mA	20.0 mA	-30~70 °C	23.0 mm	2.0 mm
10	CR2335	3.0 V	330 mAh	15 kΩ	3.0 mA	20.0 mA	-30~70 °C	23.0 mm	3.5 mm
11	CR2430	3.0 V	280 mAh	15 kΩ	3.0 mA	20.0 mA	-30~70 °C	24.5 mm	3.0 mm
12	CR2450	3.0 V	550~600 mAh	7.5 kΩ	3.0 mA	20.0 mA	-30~70 °C	24.5 mm	5.0 mm
13	CR2477	3.0 V	800~1000 mAh	4.7 kΩ	3.0 mA	20.0 mA	-30~70 °C	24.5 mm	7.7 mm

一次锂锰扣式电池(焊脚电池)型号推荐

Recommended Li-MnO₂ batteries of solder-foot type

型号分类 Types	产品类型 Product No.	标称电压 Nominal Voltage	标称容量 Nominal Capacity
12型 Type - 12	CR1220焊脚83° CR1220 with solder feet 83°	3.0 V	40 mA
	CR1225焊脚83° CR1225 with solder feet 83°	3.0 V	50 mA
16型 Type - 16	CR1620 脚距5.0mm CR1620 with pitch 5.0mm	3.0 V	70 mA
	CR1620焊线 CR1620 with wires	3.0 V	75 mA
	CR1632脚距5.0mm带棉 CR1632 pitch 5.0mm with cotton	3.0 V	130 mA
	CR1632焊脚180° CR1632 solder feet 180°	3.0 V	140 mA
20型 Type - 20	CR2016焊脚180° CR2016 solder feet 180°	3.0 V	75 mA
	CR2025焊脚40° CR2025 with solder feet 40°	3.0 V	80 mA
	CR2032焊线长40mm CR2032 with wires 40mm	3.0 V	220 mA
	CR2032焊线长30mm CR2032 with wires 30mm	3.0 V	230 mA
	CR2032焊脚反40° CR2032 with solder feet 40° reverse	3.0 V	210 mA
24型 Type - 24	CR2430焊线长30mm CR2430 with wires 30mm	3.0 V	280 mA
	CR2430脚距10mm CR2430 with pitch 10mm	3.0 V	280 mA
	CR2450并联焊脚 CR2450 with welding solder feet	3.0 V	1200 mA
	CR2450脚距11.5mm CR2450 with pitch 11.5mm	3.0 V	600 mA
	CR2450焊线 CR2450 with wires	3.0 V	550 mA
	CR2450立式三脚 CR2450 with vertical tripod feet	3.0 V	600 mA
	CR2477立式三脚 CR2477 with vertical tripod feet	3.0 V	1000 mA
	CR2477脚距10mm CR2477 with pitch 10mm	3.0 V	1000 mA

锂铁电池

Li-FeS₂ Batteries



应用领域:

数码相机、医疗设备、电子辞典、GPS、航模玩具、电子门锁、测量仪器、迷你四驱车、计算仪器、传感器、无线电收发器等产品。

Application fields:

Digital cameras, medical equipment, electronic dictionaries, GPS, remote control toys, electronic locks, measuring instruments, mini remote-controlled cars, computing devices, sensors, wireless transceivers, etc.

产品优势:

- 电量足: 实际放电容量远高于同型号的碱性和碳性一次电池
- 质量轻: 在同型号的一次电池产品中, 锂铁电池仅是碱锰电池的三分之二
- 工作温度范围宽: 工作温度范围为-40°C~+60°C, 低温性能尤其突出
- 特别适合大电流放电, 放电电压平台高且平稳
- 贮存寿命长: 常温存放10年后容量依然保持在80%以上

Advantages:

- Higher capacity: the batteries' discharge capacity are much higher than that of the same model of alkaline and carbon primary batteries.
- Lower weight: only 2/3 weight of that of alkaline manganese batteries.
- Wider operation temperature range: -40 °C~+60 °C, especially excellent performance at low temperatures.
- Perfect for high current and stable high-discharge voltage
- Long storage life: 10-year storage life with over 80% capacity retention at the ordinary room temperature

锂铁圆柱电池型号推荐

Recommend cylindrical models of Li-FeS₂ batteries

No.	产品型号 Product No.	标称电压 Nominal Voltage	标称容量 Nominal Capacity	放电电流 Discharge Current			工作温度 Operation Temperature	外形最大尺寸 External Dimensions	
				Rate	Max	Maximum Pulse		Diameter	Height
1	FR03	1.5 V	1200 mAh	30 mA	1500 mA	2000 mA	-40~60 °C	10.0 mm	44.0 mm
2	FR6	1.5 V	3400 mAh	50 mA	2500 mA	4000 mA	-40~60 °C	14.0 mm	50.5 mm

锂亚电池

Li-SOCl₂ Batteries



应用领域:

锂亚电池以较宽工作温度, 低自放率等优势, 常应用于 烟雾报警器、燃气表、水电热表、ETC、物联网压电电池+超级电容等

Application fields:

With the advantages of wide operating temperature and low self-discharge rate, Li-SOCl₂ batteries are widely applied in smoke alarm, gas meter, water and electricity heat meter, ETC, IoT, etc.

ER+UPC模组订制

鹏辉可根据客户要求进行定制UPC复合电容和ER锂亚电池组合电源(ER+UPC模组).UPC1520、UPC1530、UPC1550可根据应用时的容量和功率要求与ER14250、ER18500、ER26500、ER34615锂亚电池进行各种组合。线束长度、插头类型、触点类型可根据客户个性化需求定制。

ER+UPC module customization

Great Power provides customized products with different combinations of the Li-SOCl₂ battery module and the UPC hybrid capacity module. UPC1520, UPC1530 and UPC1550 can be selectively and randomly combined with ER14250, ER18500, ER26500, and ER34615 lithium-ion batteries according to required application conditions. The customers can customize the length of the wiring harness, plug type, and contact type.

ER+UPC组合电源产品

Recommended combination of Li-SOCl₂ Battery and Supercapacitor

No.	产品型号 Product No.	参考尺寸 Reference Size	标称电压 Nominal Voltage	标称容量 Nominal Capacity	最大脉冲放电电流 Maximum Pulse Discharge Current	组合尺寸(直径×高度) Combined Size (diameter x height)
1	ER14250+UPC1520	1/2AA+2/5AA	3.67 V	1200 mAh	1000 mA	16.5×75.0 mm
2	ER26500+UPC1520	C+2/5AA	3.67 V	8500 mAh	1000 mA	29.0×67.0 mm
3	ER34615+UPC1520	D+2/5AA	3.67 V	19000 mAh	1000 mA	34.0×78.0 mm
4	ER14250+UPC1550	1/2AA+AA	3.67 V	1200 mAh	3000 mA	55.0×32.0×16.0 mm
5	ER26500+UPC1550	C+AA	3.67 V	8500 mAh	3000 mA	55.0×44.0×28.0 mm
6	ER34615+UPC1550	D+AA	3.67 V	19000 mAh	3000 mA	64.0×55.0×35.0 mm

锂亚容量型电池

High-capacity Type models of Li-SOCl₂ batteries

No.	产品型号 Product No.	标称电压 Nominal Voltage	标称容量 Nominal Capacity	放电电流 Discharge Current		工作温度 Operation Temperature	外形最大尺寸 External Dimensions	
				最大连续放电 Maximum Continuous Discharge	最大脉冲放电 Maximum Pulse Discharge		Diameter	Height
1	ER14250	3.6 V	1200 mAh	10 mA	25 mA	-55~85°C	14.5 mm	25.4 mm
2	ER14335	3.6 V	1700 mAh	10 mA	25 mA	-55~85°C	14.5 mm	33.5 mm
3	ER14505	3.6 V	2400 mAh	20 mA	50 mA	-55~85°C	14.5 mm	50.5 mm
4	ER17335	3.6 V	1900 mAh	10 mA	25 mA	-55~85°C	17.5 mm	33.5 mm
5	ER17505	3.6 V	3600 mAh	30 mA	60 mA	-55~85°C	17.5 mm	50.5 mm
6	ER18505	3.6 V	4000 mAh	30 mA	60 mA	-55~85°C	18.7 mm	50.5 mm
7	ER26500	3.6 V	9000 mAh	50 mA	100 mA	-55~85°C	26.2 mm	50.0 mm
8	ER34615	3.6 V	19000 mAh	100 mA	200 mA	-55~85°C	34.2 mm	61.5 mm
9	ER341245	3.6 V	36000 mAh	100 mA	200 mA	-55~85°C	34.2 mm	124.5 mm
10	ER9V	10.8 V	1200 mAh	5 mA	15 mA	-55~85°C	17.0×26.3×48.5 mm	
11	ER2450	3.6 V	500 mAh	4 mA	8 mA	-55~125°C	24.5 mm	6.2 mm
12	ER32L65	3.6 V	1000 mAh	5 mA	20 mA	-55~125°C	32.9 mm	6.9 mm
13	E32L100	3.6 V	1700 mAh	10 mA	30 mA	-55~125°C	32.9 mm	10.5 mm

锂亚功率型电池

High-rate Type models of Li-SOCl₂ batteries

No.	产品型号 Product No.	标称电压 Nominal Voltage	标称容量 Nominal Capacity	放电电流 Discharge Current		工作温度 Operation Temperature	外形最大尺寸 External Dimensions	
				最大连续放电 Maximum Continuous Discharge	最大脉冲放电 Maximum Pulse Discharge		Diameter	Height
1	ER14250M	3.6 V	800 mAh	50 mA	100 mA	-55~85°C	14.5 mm	25.4 mm
2	ER14335M	3.6 V	1300 mAh	50 mA	100 mA	-55~85°C	14.5 mm	33.5 mm
3	ER14505M	3.6 V	2000 mAh	100 mA	250 mA	-55~85°C	14.5 mm	50.5 mm
4	ER17335M	3.6 V	1700 mAh	100 mA	200 mA	-55~85°C	17.5 mm	33.5 mm
5	ER17505M	3.6 V	2800 mAh	150 mA	350 mA	-55~85°C	17.5 mm	50.5 mm
6	ER18505M	3.6 V	3500 mAh	200 mA	400 mA	-55~85°C	18.7 mm	50.5 mm
7	ER26500M	3.6 V	6500 mAh	500 mA	1000 mA	-55~85°C	26.2 mm	50.0 mm
8	ER34615M	3.6 V	13500 mAh	900 mA	1800 mA	-55~85°C	34.2 mm	61.5 mm



电容型锂电池

Capacitor-Type Lithium Battery

应用领域:

电子烟、玩具、数码等

Application field:

E-cigarettes, toys, and digital appliances

产品优势:

- 内阻低(跟同容量软包对比), 对倍率、低温等电性能有帮助
- 尺寸灵活, 可以根据客户需求定制。目前直径4.5-40.0, 高度7-135mm, 可以定制
- 产品外形标准化, 铝质硬壳, 引脚直径和间距标准, 可以帮助客户实现全自动装配生产, 有效降低成本
- 铝壳耐压性比软包强, 不易鼓胀, 同时底部防爆阀可以定向泄压。

Advantages:

- Low Internal Resistance: Enhances rate capability and low-temperature performance.
- Customizable Sizes: Diameters from 4.5mm to 40.0mm and heights from 7mm to 135mm to meet specific needs.
- Standardized Design: Aluminum hard shell with standard pin dimensions for automated assembly, lowering costs.
- Durable Shell: Superior pressure resistance, minimized swelling, with a safety vent for directed pressure release.



电子烟类电容型锂电池推荐型号

Recommended for E-cigarette type capacitive batteries

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	ICR13300	400 mAh	45.0 mΩ	3.7 V	0.8 A	3.0 A	13.45 mm	30.20 mm
2	ICR13350	500 mAh	45.0 mΩ	3.7 V	1.0 A	3.0 A	13.45 mm	35.60 mm
3	ICR13400	550 mAh	40.0 mΩ	3.7 V	1.0 A	3.0 A	13.45 mm	40.20 mm
4	ICR16300	520 mAh	45.0 mΩ	3.7 V	1.0 A	3.0 A	16.25 mm	30.20 mm
5	ICR16400	750 mAh	35.0 mΩ	3.7 V	1.5 A	4.0 A	16.25 mm	40.20 mm
6	ICR16430	850 mAh	35.0 mΩ	3.7 V	1.5 A	4.0 A	16.25 mm	43.20 mm
7	ICR18350	850 mAh	40.0 mΩ	3.7 V	1.5 A	6.0 A	18.80 mm	35.20 mm

玩具、数码类电容型锂电池推荐型号

Recommended for Capacitive batteries for toys and digital devices

No.	产品型号 Product No.	标称容量 Nominal Capacity	内阻 Internal Resistance	标称电压 Nominal Voltage	电性能 Electrochemical Performance		外形最大尺寸 External Dimensions	
					Charge	Discharge	Diameter	Height
1	ICR45220	25 mAh	1000 mΩ	3.7 V	0.025 A	0.025 A	4.70 mm	22.50 mm
2	ICR63070	8 mAh	1800 mΩ	3.7 V	0.008 A	0.008 A	6.50 mm	7.80 mm
3	ICR92260	180 mAh	150 mΩ	3.7 V	0.20 A	0.20 A	9.45 mm	27.20 mm
4	ICR10400	300 mAh	55 mΩ	3.7 V	0.50 A	1.00 A	10.25 mm	40.50 mm
5	ICR10450	350 mAh	50 mΩ	3.7 V	0.50 A	1.00 A	10.25 mm	45.50 mm
6	ICR13400	600 mAh	45.0 mΩ	3.7 V	0.60 A	2.00 A	13.45 mm	40.20 mm
7	ICR13430	700 mAh	40.0 mΩ	3.7 V	0.70 A	2.00 A	13.45 mm	43.20 mm
8	ICR14500	800 mAh	35.0 mΩ	3.7 V	0.80 A	2.00 A	14.25 mm	50.50 mm
9	ICR16500	1050 mAh	30.0 mΩ	3.7 V	1.00 A	3.00 A	16.25 mm	50.20 mm
10	ICR18500	1400 mAh	25.0 mΩ	3.7 V	1.50 A	3.00 A	18.80 mm	50.20 mm
11	ICR23680	4000 mAh	20.0 mΩ	3.7 V	2.00 A	2.00 A	23.85 mm	68.50 mm
12	IFR14500	500 mAh	35.0 mΩ	3.2 V	1.00 A	4.00 A	14.25 mm	50.50 mm
13	IFR16500	700 mAh	30.0 mΩ	3.2 V	1.50 A	5.00 A	16.25 mm	50.50 mm
14	IFR18450	900 mAh	25.0 mΩ	3.2 V	2.00 A	5.00 A	18.80 mm	45.20 mm
15	IFR18500	1100 mAh	25.0 mΩ	3.2 V	2.00 A	5.00 A	18.80 mm	51.00 mm
16	IFR18650	1500 mAh	25.0 mΩ	3.2 V	2.00 A	5.00 A	18.80 mm	65.00 mm
17	ITR14500	500 mAh	35.0 mΩ	2.4 V	3.00 A	5.00 A	14.25 mm	50.50 mm
18	ITR18500	950 mAh	20.0 mΩ	2.4 V	5.00 A	10.00 A	18.80 mm	51.00 mm
19	ITR18650	1300 mAh	15.0 mΩ	2.4 V	6.00 A	13.00 A	18.80 mm	65.00 mm
20	ITR23680	2600 mAh	15.0 mΩ	2.4 V	5.00 A	20.00 A	23.85 mm	68.50 mm

锌空电池

Zinc-air Batteries



锌空电池专为助听器量身定制，现应用于助听器、蓝牙耳机（小功率）等，有潜力用于电子台历、计算器等氧化银电池可以用到的场合。锌空电池电流较小但容量比氧化银电池要高。

The Zinc-air battery is customized specifically for hearing aids, and is now also used in low-power devices such as Bluetooth earphones. It has the potential to be used in electronic calendars, calculators, and other applications that use silver oxide batteries. Although the discharge current of Zinc-air batteries is smaller, their capacity is higher than that of silver oxide batteries.

产品优势：

- 核心专利技术保证产品放电性能
- 进口材料保证产品质量
- 拥有多项自主研发专利技术
- 产品稳定可靠

Advantages:

- Patented technology to ensure the discharge performance
- Imported raw materials
- Multiple self-developed patents
- Performance reliability

传承超过50篇东芝锌空电池专利

Authorized over 50 Toshiba zinc air battery patents



锌空扣式电池型号推荐

Recommended zinc air batteries

No.	产品型号 Product No.	标称电压 Nominal Voltage	内阻 Internal Resistance	低电流放电时间 Low-current Discharge Hours (Iec 60086-2:2015)	高电流放电时间 High-current Discharge Hours (Iec 60086-2:2015)	工作温度 Operation Temperature	外形最大尺寸 External Dimensions	
							Diameter	Height
1	PR44/A675	1.45 V	< 3 Ω	98 h	60 h	0~50 °C	11.6 mm	5.4 mm
2	PR48/A13	1.45 V	< 5 Ω	74 h	62 h	0~50 °C	7.9 mm	5.4 mm
3	PR41/A312	1.45 V	< 6 Ω	72 h	48 h	0~50 °C	7.9 mm	3.6 mm
4	PR536/A10	1.45 V	< 8 Ω	74 h	50 h	0~50 °C	5.9 mm	3.6 mm

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

越南鹏辉工业园

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

鹏辉能源欧洲办事处

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

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.

Address: Xinqing Fifth Road, Xinqing Technology Industrial Park, Doumen

town, Zhuhai, China

Henan Great Power Energy Technology Co., Ltd

Address: Intersection of Zhongyuan Avenue and Huaihe 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, Quzhou, 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

K35

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