

全球领先的锂电池制造商

WORLD-CLASS BATTERY MANUFACTURER



让更多人用得起
安全、稳定的清洁能源
MAKING CLEAN ENERGY SAFER,
MORE STABLE AND ACCESSIBLE

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

股票代码 Stock Code (in China): 300438



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鹏辉消费电池公众号



供应优势

SUPPLY ADVANTAGES

鹏辉于2001年成立, 2015年上市 (股票代码:300438), 专注于电池研发、生产二十余年。公司目前拥有超10000名员工, 九大生产基地, 可提供完整的消费电池产品及电池解决方案, 拥有品类齐全、品质优异、一致性好及产能充足的供应优势。

Established in 2001 and listed on the stock market in 2015 (stock code: 300438), Great Power has been focusing on battery research and product development for over 20 years. The company currently has over 10,000 employees, nine production bases. It provides a complete range of consumer battery products and battery solutions, with advantages in comprehensive product categories, excellent quality, good consistency, and sufficient production capacity.

品类齐全

A Complete Range of Models

品质优异

Excellent Quality

一致性好

Good Consistency

产能充足

Sufficient Production Capacity

品类齐全 A Complete Range of Models

鹏辉积累了二十余年锂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 Lithium 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、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

9大工业园和多条现代化产线, 产能充足, 反应及时。
Great Power has 9 production facilities with multiple advanced production lines, which ensures the sufficient production capacity and timely response for customers' requirement.

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	标准容量 Nominal Capacity	负载电阻 Load Resistance	放电电流 Discharge Current		工作温度 Operation Temperature	外形最大尺寸 External Dimensions	
					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	2.5 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
	CR2430焊线长30mm CR2430 with wires 30mm	3.0 V	280 mA
24型 Type - 24	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



锂锰电池 Li-MnO₂ Battery

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锂锰电池

Li-MnO₂ Battery



鹏辉于2001年成立, 专注于电池研发、生产二十余载。

Established in 2001, Great Power has been focusing on battery research and product development for over 20 years.

锂锰电池应用领域广泛, 主要应用于医疗器械、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、手表等消费电子产品。

Li-MnO₂ batteries are 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.

鹏辉锂锰电池型号齐全、安全耐用、一致性好, 其中圆柱电池和方形电池低温性能优异。

Great Power has a complete range of models of Li-MnO₂ batteries. The products are durable and safe, and have good consistency. Among them, cylindrical batteries and square batteries have excellent low temperature performance.



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℃~70℃	-40℃~60℃ (Conventional Type) -40℃~80℃ (High-temperature Type)	-20℃~70℃
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 cyliderical Li-MnO₂ batteries

No.	产品型号 Product No.	标称电压 Nominal Voltage	标准容量 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	3.0 V	800 mAh	1 mA	500 mA	1000 mA	-40~70℃	14.5 mm	25.0 mm
2	CR14505	3.0 V	1600 mAh	1 mA	1500 mA	3000 mA	-40~70℃	14.5 mm	50.5 mm
3	CR2	3.0 V	800 mAh	1 mA	800 mA	1600 mA	-40~70℃	15.5 mm	27.0 mm
4	CR2	3.0 V	900 mAh	1 mA	800 mA	1600 mA	-40~70℃	15.5 mm	27.0 mm
5	CR123A	3.0 V	1300 mAh	1 mA	1500 mA	3000 mA	-40~70℃	17.0 mm	34.5 mm
6	CR123A	3.0 V	1500 mAh	1 mA	1500 mA	3000 mA	-40~70℃	17.0 mm	34.5 mm
7	CR123A	3.0 V	1700 mAh	1 mA	2000 mA	4000 mA	-40~70℃	17.0 mm	34.5 mm
8	CR17450	3.0 V	2400 mAh	1 mA	1500 mA	3000 mA	-40~70℃	17.0 mm	45.0 mm
9	CR17505	3.0 V	2800 mAh	1 mA	1500 mA	3000 mA	-40~70℃	17.0 mm	50.5 mm
10	CR18500	3.0 V	3000 mAh	1 mA	1500 mA	3000 mA	-40~70℃	18.0 mm	50.5 mm
11	CR-P2	6.0 V	1500 mAh	1 mA	1500 mA	3000 mA	-40~70℃	19.5T*35W mm	36.0 mm
12	2CR5	6.0 V	1500 mAh	1 mA	1500 mA	3000 mA	-40~70℃	17T*34W mm	45.0 mm
13	CR9V	9.0 V	1200 mAh	1 mA	1000 mA	1500 mA	-40~60℃	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	标准容量 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	3.0 V	1200 mAh	1 mA	600 mA	1000 mA	-40~60℃	5.2 mm	25.0 mm	42.0 mm
2	CF234044	3.0 V	600 mAh	1 mA	100 mA	300 mA	-40~60℃	2.3 mm	40.0 mm	44.5 mm
3	CF104848	3.0 V	400 mAh	1 mA	50 mA	100 mA	-40~60℃	1.1 mm	48.5 mm	48.5 mm
4	CF402030	3.0 V	460 mAh	1 mA	200 mA	400 mA	-40~60℃	4.2 mm	20.5 mm	31.0 mm
5	CF224147	3.0 V	800 mAh	1 mA	500 mA	1000 mA	-40~60℃	2.3 mm	44.5 mm	48.0 mm
6	CF452339	3.0 V	800 mAh	1 mA	500 mA	1000 mA	-40~60℃	4.8 mm	24.0 mm	40.0 mm
7	CF603742	3.0 V	2400 mAh	1 mA	1000 mA	2000 mA	-40~60℃	6.2 mm	38.0 mm	43.0 mm
8	CF623840	3.0 V	2200 mAh	1 mA	1000 mA	2000 mA	-40~60℃	6.4 mm	38.0 mm	40.0 mm



锂铁电池 Li-FeS₂ Battery

股票代码 Stock Code (in China): 300438

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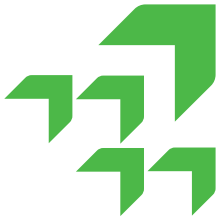
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鹏辉消费电池公众号

锂铁电池

Li-FeS₂ Battery



锂铁电池主要应用于数码相机、医疗设备、电子词典、GPS、测量仪器、计算仪器、传感器、无线电收发器等电子产品。

The batteries are widely used in digital cameras, medical devices, electronic dictionaries, GPS, measuring instruments, calculator, sensors transceivers, etc.



鹏辉锂铁电池拥有以下优势

- 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℃~60℃，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 of Great Power's Li-FeS₂ batteries

- 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℃~60℃, 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	标准容量 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



锌空电池 Zinc-air Battery

股票代码 Stock Code (in China): 300438

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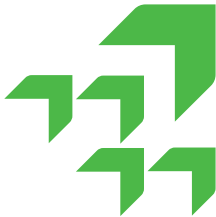
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鹏辉消费电池公众号

锌空电池

Zinc-air Battery



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，有潜力应用于电子日历、计算器等氧化银电池可以用的场合。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.

鹏辉锌空电池传承50多项东芝专利，产品放电性能优异、耐用、一致性好，进口优质原材料保证产品质量。

There are more than 50 Toshiba patents in design and production of Great Power's Zinc-air batteries. The batteries are excellent discharge performance, durability, and good consistency. Imported high-quality raw materials ensure product quality.

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



锂亚电池

Li-SOCl₂ Battery

股票代码 Stock Code (in China): 300438

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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。

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、触点类型也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.



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	标准容量 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	标准容量 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

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	标准容量 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