

HOLiTH



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企业简介

江门市宏力能源有限公司，是由有45年电池生产历史的广州市番禺华力电池有限公司核心团队，于2015年在广东省江门市成立，2018年开始列入高新技术企业，主营锂-二氧化锰圆柱形全系列电池，已荣获40多项国家专利证书！

江门宏力现拥有员工200多名，主要有CR123A, CR2, CR1/3N, CR14250, CR14505, CR17450, CR17505, CR-P2和2CR5等型号产品可广泛应用于智能仪表，门磁，摄像头，烟雾报警器，温湿度监控器，遥控器和胃镜胶囊等。宏力能源品牌"HOLITH"、"VATTNIC"，面向全球客户，满足客户对OEM/ODM的需求。

安全、环保及品质是宏力专注打造的品牌形象。宏力能源相信我们的坚持会为客户带来强大的市场竞争力。

JIANGMEN HONGLI ENERGY CO.LTD. was established in 2015 in Jiangmen City, Guangdong Province by the core team of HUALI BATTERY INDUSTRY CO.,LTD., which has 45 years of battery production history. It was recognized as a High-Tech Enterprise in 2018 and specializes in the full series of Lithium-Manganese Di-oxide cylindrical batteries. We have been awarded over 40 national patent certificates!

Jiangmen Hongli currently employs over 200 staff and its main products include models such as CR123A, CR2, CR1/3N, CR14250, CR14505, CR17450, CR17505, CR-P2 and 2CR5. These batteries are widely used in smart meters, door sensors, cameras, smoke alarms, temperature/humidity monitors, remote controls, and endoscopic capsules etc.

We create our brands, "HOLITH" and "VATTNIC", which are catered to global customers and meet their OEM/ODM requirement.

Safety, environmental protection and quality are the brand image that we are dedicated to building. We believe that our persistence will bring strong market competitiveness to our customers.

企业发展历程

2015

由有45年电池生产经验的广州市番禺华力电池有限公司的核心经营团队，在江门成立宏力能源

Hongli Energy was established in Jiangmen by the core management team of Guangzhou Panyu Huali Battery Co., Ltd., leveraging 45 years of battery production expertise.

2017

获得40多项国家发明专利证书
Obtained 40 National Invention Patents.

2023

国家高新技术企业，我司被广东省工业和信息化厅认定为专精特新企业；且我司CR123A被认定为2023年广东省名优高新技术产品

Re-certified as a National High-tech Enterprise. Our company was recognized as a Specialized, Refined, Unique, and Innovative (SRDI) Enterprise by the Department of Industry and Information Technology of Guangdong Province. Additionally, our CR123A lithium battery was selected as a 2023 Guangdong Provincial High-quality High-tech Product.

2020

入库科技型中小企业

Designated as a Technology-based Small and Medium-sized Enterprise (TSME) and included in the official government registry.

2018

国家高新技术企业由“广东省科学技术厅”“国家税务总局广东省财厅”“省税务局”联合颁发“高新技术企业证书”

Certified as a National High-tech Enterprise, with the official certification jointly issued by the Department of Science and Technology of Guangdong Province, the Department of Finance of Guangdong Province, and the State Taxation Administration, Guangdong Provincial Tax Service.

2024

新工厂开始建造，占地面积达30亩，计划达产后产能达1亿只以上

The construction of the new factory has commenced, covering an area of 30 mu. The output will exceed 100 million units annually.

企业荣誉

产品通过 UL, UN38.3, IEC, CE 和 RoHS 等安全测试及认证

The products have passed safety tests and certifications such as UL, UN38.3, IEC, CE, and RoHS.



3V 锂锰电池在物联网里面的应用范围

交通: 智能抄表、路灯、汽车追踪定位 (GPS)

市政: 智能井盖、智能停车系统、智能消防栓、智能垃圾桶

家居: 智能家居、感应器、智能门锁、传感器、智能水表、智能燃气表、智能烟感

农业: 畜牧追踪器、排水灌溉

医疗: 血糖仪、胃镜胶囊、手术笔

3V Lithium Battery Apply In IoT

Transportation: intelligent meter reading, street lights, car tracking and positioning (GPS)

Municipal: intelligent manhole cover, intelligent parking system, intelligent fire hydrant, intelligent garbage bin

Home: Smart home, sensors, smart door locks, sensors, smart water meters, smart gas meters, smart smoke detectors

Agriculture: Livestock tracker, drainage irrigation

Medical: blood glucose meter, gastroscopy capsule, surgical pen



锂锰柱式电池

LITHIUM-MANGANESE DIOXIDE CYLINDRICAL BATTERIES

产品优势

稳定的高工作电压: 单体电池额定电压3.0V

宽广的工作温度: 可在-40~+85°C之间工作

高比能量密度: 电池实际比能量可达260Wh/kg

储存寿命长、常温条件下电池年自放电率不超过1%, 容量高、性能稳定、放电电压平稳且无电压滞后现象

PRODUCT ADVANTAGE

Stable high operating voltage: rated voltage of individual battery 3.0V

Wide operating temperature: can work between -40~+85 °C

High specific energy density: The actual specific energy of the battery can reach 260Wh/kg

Long storage life, annual self discharge rate of the battery under normal temperature conditions not exceeding 1%, high capacity, stable performance, and stable discharge voltage and there is no voltage hysteresis phenomenon



产品总览表

Product Overview Table

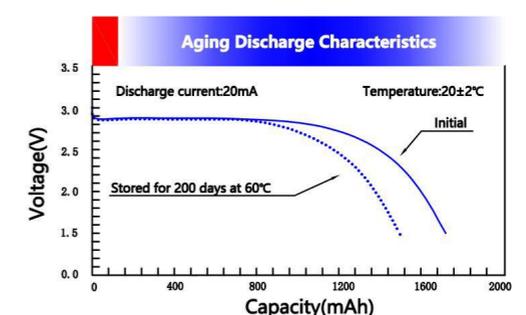
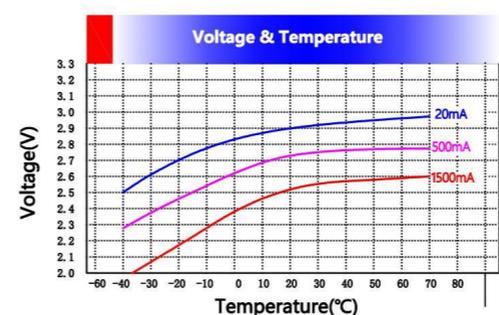
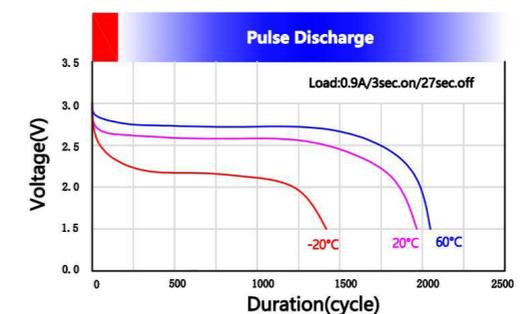
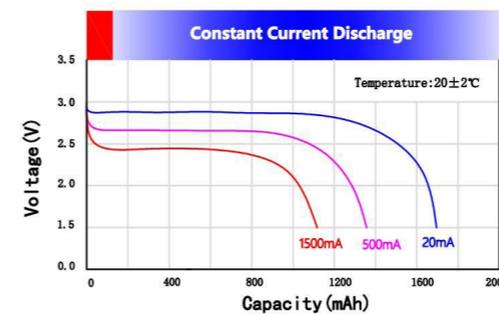
型号 Model		最大外形尺寸 Maximum External Dimensions	重量 Weight	额定电压 Rated Voltage	额定容量 Rated Capacity	标准放电电流 Standard Discharge Current	最大电流 Maximum Current		温度范围 Temperature range
国家标准 National Standard	国际标准 International Standard						连续 Continuous	脉冲 Pulse	
CR14250	1/2AA	Φ14.5x25.0 mm	9g	3.0V	800mAh	5mA	800mA	1500mA	-40°~70°
CR14505	AA	Φ14.5x50.2mm	17g	3.0V	1600mAh	20mA	1500mA	2000mA	-40°~70°
CR15H270	CR2	Φ15.6x27.0mm	11g	3.0V	1000mAh	20mA	1000mA	2000mA	-40°~70°
CR17345	CR123A	Φ17.0x34.5mm	16g	3.0V	1700mAh	20mA	1500mA	3000mA	-40°~70°
CR17450	CRAG	Φ17.0x45.0mm	24g	3.0V	2400mAh	20mA	1500mA	3000mA	-40°~70°
CR17505	A	Φ17.0x50.5mm	28g	3.0V	2800mAh	5mA	2000mA	4000mA	-40°~70°
CR18505	A	Φ18.0x49.5mm	30g	3.0V	3000mAh	5mA	2200mA	3000mA	-40°~70°
CR18650	-	Φ18.0x65.0mm	40g	3.0V	4000mAh	20mA	3500mA	5000mA	-40°~70°
CR26500	C	Φ26.2x50.5mm	62g	3.0V	5400mAh	5mA	2000mA	3000mA	-40°~70°
CR34615	D	Φ34.2x61.5mm	125g	3.0V	12000mAh	10mA	2500mA	3000mA	-40°~70°
CR09080	CR09080	Φ9.8x8.5mm	3.3g	3.0V	80mAh	8mA	50mA	80mA	-40°~85°
CR10107	CR10107	Φ10.3x10.7mm	2.9g	3.0V	120mAh	10mA	80mA	120mA	-40°~85°
CR11108	CR-1/3N	Φ11.6x10.8mm	3g	3.0V	170mAh	3mA	80mA	160mA	-40°~85°
CR123A-T	CR123A	Φ17.0x34.5mm	16g	3.0V	1600mAh	20mA	1500mA	3000mA	-40°~85°

柱式电池 Column battery

2CR17345	2CR5	16.7x44.7x33.8mm	38g	6V	1700mAh	20mA	1500mA	3000mA	-40°~70°
2CR17345	2CR5	16.7x44.7x33.8mm	38g	6V	1500mAh	20mA	1500mA	3000mA	-40°~70°
2CR17345	CR-P2	19.5x36.0x33.4mm	38g	6V	1700mAh	20mA	1500mA	3000mA	-40°~70°
2CR17345	CR-P2	19.5x36.0x33.4mm	38g	6V	1500mAh	20mA	1500mA	3000mA	-40°~70°
CR9V	-	16.1x48.8x26.0mm	40g	9V	800mAh	5mA	800mA	1500mA	-40°~70°
CRV3	-	14.5x52.5x29.0mm	38g	3V	3200mAh	20mA	1500mA	3000mA	-40°~70°
2CR11108	2CR1/3N	Φ11.9x22.0mm	6g	6V	170mAh	3mA	80mA	160mA	-40°~70°
2CR11108	2CR1/3N(铁壳)	Φ12.5x25.4mm	8g	6V	170mAh	3mA	80mA	160mA	-40°~70°

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CR123A放电曲线图



BR 锂氟化碳圆柱电池

锂氟化碳圆柱电池是一种以钢壳为外包装的电池，包括 14250、17345、17450、17505 等型号具有工作电压平稳，工作温度范围广，安全环保无污染，自放电率低，储存寿命长等优点，产品可应用于户外通信设备电源、智能检测仪电源、电动工具、报警装置，红外遥控器、矿用照明设备等。

BR 系列电池具有容量高、低成本等独特优势，特别适宜于高低温环境下长时间小电流持续工作场景。



The Li-(CFx)n cylindrical battery is characterized by comprising shell protective-cover, mainly includes models of 14250,17345,17450, 17505 etc, which has the advantages of high capacity, wide operating temperature, superior safety performance, green environmental protection and low self-discharge rate. The products can be used in outdoor communication equipment power supplies, intelligent detector power supplies, power tools, alarm devices, infrared remote control,mining lighting equipment,etc.

The BR model are suitable for workshop scenarios that consistently working long hours with high and low temperature current, which have the distinct advantages of high capacity and low costs.

产品总览表
Product Overview Table

型号 Model	最大外形尺寸 Maximum External Dimensions	重量 Weight	额定电压 Rated Voltage	额定容量 Rated Capacity	标准放电电流 Standard Discharge Current	最大电流 Maximum Current		温度范围 Temperature range
						连续 Continuous	脉冲 Pulse	
BR14250	Φ14.5x25.0mm	8g	3.0V	800mAh	5mA	800mA	1500mA	-40°~85°
BR14505	Φ14.5x50.5mm	14g	3.0V	1600mAh	20mA	1500mA	2000mA	-40°~85°
BR15H270	Φ15.6x27.0mm	9g	3.0V	1000mAh	20mA	1000mA	2000mA	-40°~85°
BR17345	Φ17.0x34.5mm	14g	3.0V	1500mAh	20mA	1500mA	3000mA	-40°~85°
BR17450	Φ17.0x45.0mm	20g	3.0V	2400mAh	20mA	1500mA	3000mA	-40°~85°
BR17505	Φ17.0x50.5mm	24g	3.0V	2800mAh	5mA	2000mA	4000mA	-40°~85°
BR18505	Φ18.0x50.5mm	26g	3.0V	3000mAh	5mA	2200mA	3000mA	-40°~85°
BR18655	Φ18.0x65.0mm	30g	3.0V	3000mAh	5mA	2200mA	3000mA	-40°~85°
BR18650	Φ18.0x65.0mm	34g	3.0V	4000mAh	20mA	3500mA	5000mA	-40°~85°

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3V 全密封电池

3V FULLY SEALED BATTERY

	产品型号 Model No.	CR10107	产品描述 Description	锂电池 Lithium Battery
	化学体系 Chemical System	锂二氧化锰 Lithium Manganese Dioxide	标称电压 Nominal Voltage	3.0V
	标称容量 Nominal Capacity	120mAh	尺寸 Dimension	直径10.3mm/高度10.7mm. Diameter:10.3mm/height: 10.7mm
	最大放电电流 Max.Constant Current	80mA	最大脉冲电流 Max.Pulse Current	120mA
	重量 Weight	2.8g±0.1g	工作温度 Operating Temp.Range	-40°C~85°C
产品特点 Characteristics	高能量密度/无电压滞后 全密封电池 High energy density / no voltage hysteresis / fully sealed battery		产品应用 Applications	胶囊内窥镜/医疗器械 Capsule Endoscopes/medical device

	产品型号 Model No.	CR11108	产品描述 Description	锂电池 Lithium Battery
	化学体系 Chemical System	锂二氧化锰 Lithium Manganese Dioxide	标称电压 Nominal Voltage	3.0V
	标称容量 Nominal Capacity	170mAh	尺寸 Dimension	直径11.6mm/高度10.8mm. Diameter:11.6mm/height: 10.8mm
	最大放电电流 Max.Constant Current	80mA	最大脉冲电流 Max.Pulse Current	120mA
	重量 Weight	3.3g	工作温度 Operating Temp.Range	-40°C~85°C
产品特点 Characteristics	高能量密度/无电压滞后 全密封电池 High energy density / no voltage hysteresis / fully sealed battery		产品应用 Applications	胶囊内窥镜/医疗器械 Capsule Endoscopes/medical device

	产品型号 Model No.	CR09080	产品描述 Description	锂电池 Lithium Battery
	化学体系 Chemical System	锂二氧化锰 Lithium Manganese Dioxide	标称电压 Nominal Voltage	3.0V
	标称容量 Nominal Capacity	80mAh	尺寸 Dimension	直径9.8mm/高度8.5mm. Diameter:9.8mm/height: 8.5mm
	最大放电电流 Max.Constant Current	50mA	最大脉冲电流 Max.Pulse Current	80mA
	重量 Weight	2.5g	工作温度 Operating Temp.Range	-40°C~85°C
产品特点 Characteristics	高能量密度/无电压滞后 全密封电池 High energy density / no voltage hysteresis / fully sealed battery		产品应用 Applications	胶囊内窥镜/医疗器械 Capsule Endoscopes/medical device

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主要用途

- ▶ 有源电子标签
- ▶ 警报/安全设备
- ▶ 烟雾侦测记忆
- ▶ 后备电源
- ▶ 实时时钟
- ▶ 专业电子设备
- ▶ 医疗设备(肠胃内窥镜)

Main purpose

- ▶ Active electronic tag
- ▶ Alarm/safety equipment
- ▶ Smoke detection memory
- ▶ Backup power supply
- ▶ Real Time Clock
- ▶ Professional electronic equipment
- ▶ Medical equipment (gastrointestinal endoscope)



锂锰扣式微型电池 (CR系列)

LITHIUM MANGANESE BUTTON
MICRO BATTERY (CR SERIES)



市场应用 MARKET APPLICATION



产品优势

- ▶ 电池容量突破传统技术, 使用寿命长
- ▶ 放电电压平稳、储存性能优良, 年自放电率低于2%

PRODUCT ADVANTAGES

- ▶ The battery capacity breaks through the traditional technology and the service life is long.
- ▶ The discharge voltage is stable, the storage performance is excellent, and the annual self-discharge rate is less than 2%.

市场应用 MARKET APPLICATION



产品规格表

PRODUCT SPECIFICATION SHEET

使用温度范围: -40°C~85°C

TEMPERATURE RANGE FOR USE

型号 Model	标称电压 Rated voltage (V)	标称容量 Nominal capacity (mAh)	标准电流 Standard current (mA)	最大连续电流 Maximum continuous current (mA)	最大脉冲电流 Maximum pulse current (mA)	最大尺寸 Maximum size (mm)	重量 Weight (g)
CR927	3	30	0.1	1	5	Φ9.5x2.7	0.6
CR1025	3	30	0.1	2	5	Φ10.0x2.5	0.7
CR1216	3	25	0.1	2	5	Φ12.5x1.6	0.7
CR1220	3	38	0.1	2	5	Φ12.5x2.0	0.8
CR1225	3	50	0.1	2	5	Φ12.5x2.5	0.9
CR1616	3	50	0.1	2	8	Φ16.0x1.6	1.2
CR1620	3	70	0.1	3	8	Φ16.0x2.0	1.3
CR1632	3	120	0.2	3	8	Φ16.0x3.2	2.0
CR2016	3	80	0.1	5	15	Φ20.0x1.6	2.0
CR2020	3	120	0.1	5	15	Φ20.0x2.0	2.2
CR2025	3	150	0.2	5	15	Φ20.0x2.5	2.6
CR2032	3	220	0.2	5	15	Φ20.0x3.2	3.2
CR2050	3	330	0.4	5	15	Φ20.0x5.0	4.7
CR2320	3	130	0.2	6	20	Φ23.0x2.0	3.0
CR2325	3	190	0.2	6	20	Φ23.0x2.5	3.3
CR2330	3	260	0.2	6	20	Φ23.0x3.0	4.0
CR2335	3	300	0.2	6	20	Φ23.0x3.5	4.3
CR2354	3	560	0.4	6	20	Φ23.0x5.4	6.9
CR2430	3	270	0.2	7	25	Φ24.5x3.0	4.5
CR2440	3	480	0.4	7	25	Φ24.5x4.0	5.4
CR2450	3	600	0.4	7	25	Φ24.5x5.0	6.8
CR2477	3	1000	0.6	7	25	Φ24.5x7.7	10.5
CR3032	3	500	0.4	10	30	Φ30.0x3.2	6.8
CR3832C	3	850	0.8	20	75	Φ38.0x3.2	11.0

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锂锰软包电池

LITHIUM MANGANESE SOFT PACK BATTERY



产品优势

- > 设计比较灵活,外形可变任意形状,具有稳定的电流、电压、放电容量
- > 重量较轻,体积比能量大,能量密度高达830Wh/L
- > 宽工作范围(-40°C~+70°C)
- > 低自放电率(在+20°C温度环境中年均自放电率小于1%)

Product advantages

- >> Flexible in size, variable shape, stable current, voltage, and discharge capacity
- >> Light weight, with a high volumetric energy density, reaching up to 830 Wh/L
- >> Wide working temperature range (-40°C ~+70°C)
- >> Low self discharge rate (annual self discharge less than 1% at +20°C)

市场应用

MARKET APPLICATION



产品规格表

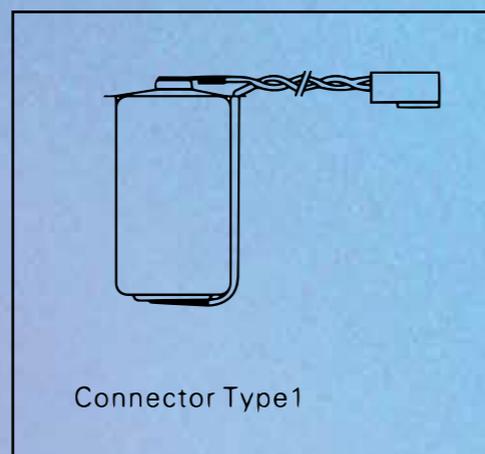
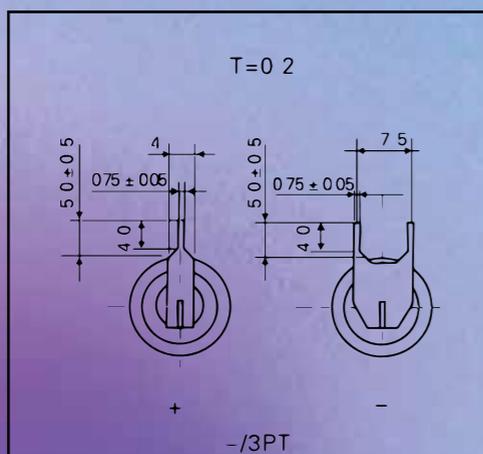
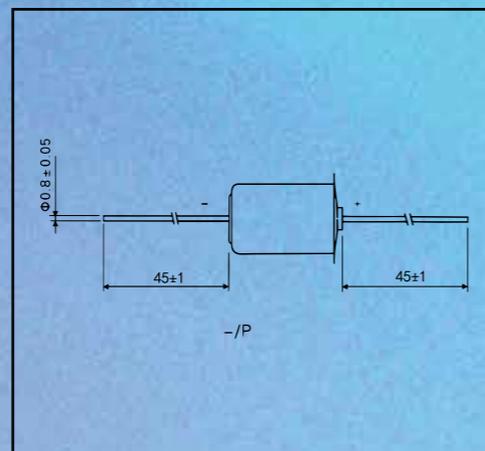
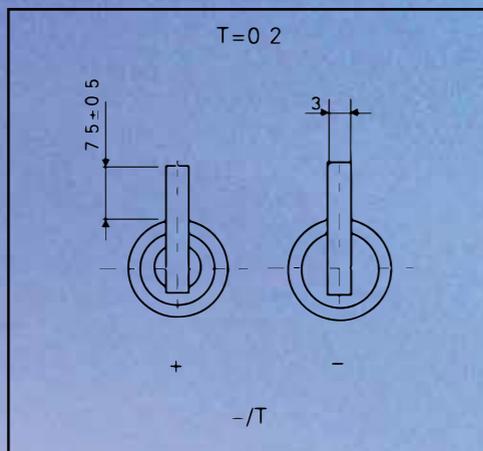
PRODUCT SPECIFICATION SHEET

型号 Model	标准电压 Standard voltage (V)	标准容量 Standard capacity (mAh)	最大连续电流 Maximum continuous current (mA)	最大脉冲电流 Maximum pulse current (mA)	工作温度 Operating Temperature (°C)	最大尺寸 Maximum size (mm)	重量 Weight (g)
CP073040	3.0	50	1	60	-40 ±70	40.5X31.0X9	1.2
CP052845	3.0	65	20	200	-40 ±70	48.0X28.0X0.55	0.9
CP203047	3.0	650	200	400	-40 ±70	47.5X35.5X2.2	5.0
CP224136	3.0	650	150	300	-40 ±70	36.0X41.0X2.5	5.0
CP224147	3.0	800	200	400	-40 ±70	48.3X45.5X2.2	7.0
CP302445	3.0	700	200	400	-40 ±70	46.0X25.0X3.1	8.5
CP302752	3.0	1030	100	250	-40 ±70	52.5X27.5X3.1	6.0
CP305050	3.0	1600	600	1000	-40 ±70	50.5X51.0X3.2	13.5
CP452445	3.0	1200	300	500	-40 ±70	46.0X25.0X4.5	10.0
CP505050	3.0	3000	1000	2000	-40 ±70	50.5X50.5X5.1	23.0
CP502440	3.0	1200	300	500	-40 ±70	40.0X25.0X5.1	9.0
CP552723	3.0	670	200	400	-40 ±70	23.0X27.5X5.5	11.0
CP783970	3.0	5500	2000	3000	-40 ±70	71.0X40.0X7.9	37.0
CP705050	3.0	4000	1500	3000	-40 ±70	51.0X51.0X7.1	32.0

本文中提供的数据仅用于描述,并不意味着任何保证。

组装电池

ASSEMBLE THE BATTERY



生产车间

5S 生产管理

对人员、机器、材料、方法等生产要素进行有效的管理，“安全始于整理，终于整理整顿”

5S production management

Effective management of production factors such as personnel, machinery, materials and methods, etc. “Safety begins with organization and ends with organization and rectification.”



企业风采

COMPANY IMAGE



展会回顾

EXHIBITION REVIEW



国际电子与仪器展览会 (俄罗斯圣彼得堡)
INTERNATIONAL EXHIBITION ELECTRONIC & INSTRUMENTATION



深圳国际电池技术交流会 (CIBF 2025)
Shenzhen International Battery Technology Exchange



广交会 Canton Fair



俄罗斯展
Russian Exhibition



国际物联网展深圳站
INTERNATIONAL INTERNET OF THINGS EXHIBITION SHENZHEN