

Huiderui 惠德瑞

Stock Code: 833523.BJ

Primary Lithium Battery 一次锂电池



Huizhou Huiderui Lithium Battery Technology Co., Ltd.

惠州市惠德瑞锂电科技股份有限公司

www.huiderui.com



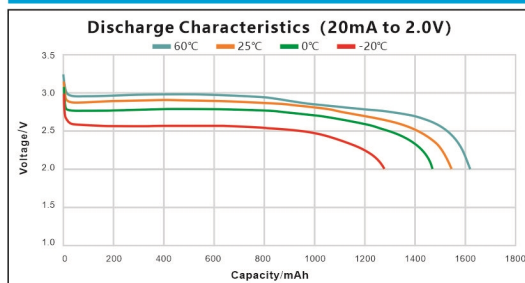
>> Cylindrical Li/MnO₂ Batteries 锂锰圆柱型电池

Model	Nominal Voltage (v)	Nominal Capacity (mah)	Standard Discharge Current(ma)	Max. Discharge Current(ma)		Max. Dimensions(mm)		Weight(g)	IEC	Cross Reference
				Continuous	Pulse	Diameter(D)	Height(H)			
CR1/3N	3	160	2.7	60	80	11.6	10.8	3.3	CR11108	1/3N
2CR1/3N	6	160	2.7	60	80	13.0	25.2	9.1	2CR11108	28L
CR14250	3	850	1	800	1500	14.5	25.0	9.0	CR14250	CR 1/2AA
CR14505	3	1600	1	1000	3000	14.5	50.5	17.0	CR14505	CRAA
CR2	3	1000	1	800	1500	15.5	27.0	11.0	CR15H270	CR2
CR123A	3	1600	1	1000	3000	17.0	34.5	16.5	CR17345	CR123A
CR17335	3	1600	1	1000	3000	17.0	33.5	16.5	CR17335	CR 2/3A
CR17450	3	2500	1	1000	3000	17.0	45.0	23.0	CR17450	CR-AG
CR17505	3	2800	1	1000	3000	17.0	51.5	26.0	CR17505	CR17505
CR26500	3	6500	10	1000	3000	26.0	50.0	56.0	CR26500	CR-C
2CR5	6	1600	1	1000	3000	34.0	17.0	45.0	2CR5	2CR5
CR-P2	6	1600	1	1000	3000	35.0	19.5	36.0	CP-P2	CP-P2
CRV3	3	3200	20	1500	3500	28.6	14.4	52.2	CRV3	CR-V3
CP9V	9	1200	1	150	300	26.5	17.5	48.5	—	U9VL
CR2H	3	1000	1	800	1500	15.5	27.0	11.0	CR2H	CR2H
CR2/3AH	3	1600	1	1000	3000	17.0	33.5	16.5	CR2/3AH	CR2/3AH
CRAH	3	2500	1	1000	3000	17.0	45.0	23.0	CRAH	CRAH
CRLAH	3	2800	1	1000	3000	17.0	51.5	24.8	CRLAH	CRLAH

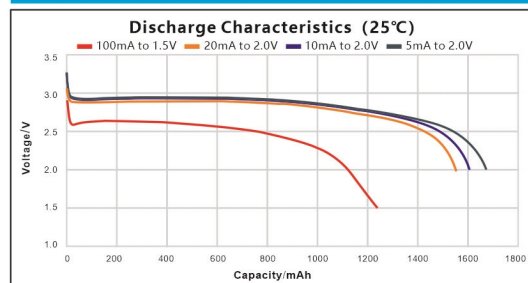
>> Applications 产品应用

- Intelligent instruments • Smoke detectors • Security devices • Signal lights and the post indicator transfers • Portable devices
- Lightings • Medical equipments • Wireless and other military equipments • Water, gas and electricity meters • IoT
- Memory backup power sources • Archery tracker nocks
- 智能仪器 • 烟雾报警器 • 安全装置 • 信号发射仪器/指示灯 • 便携设备 • 照明设备 • 医疗设备 • 军用无线仪器 • 水表, 气表, 电表 • 智能家居 • 后备电源 • 弓箭跟踪器

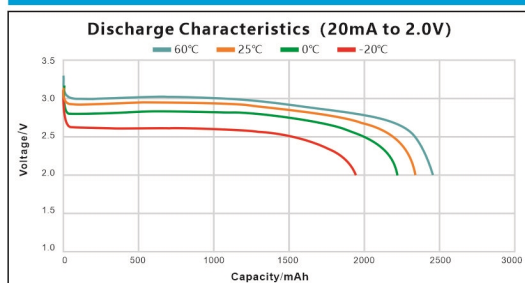
>> Discharge Characteristics CR123A



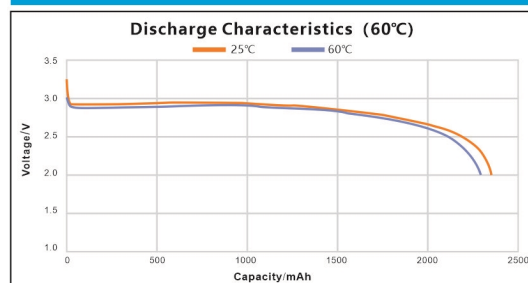
>> Discharge Characteristics CR123A



>> Discharge Characteristics CR17450

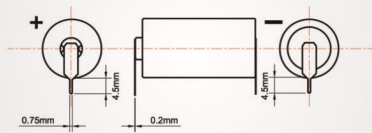


>> Discharge Characteristics CR17450

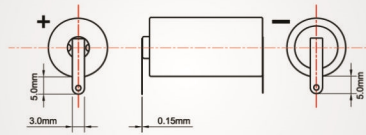


>> With Tabs 焊片

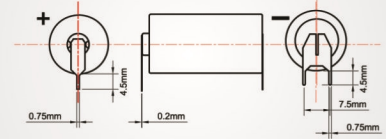
PT2



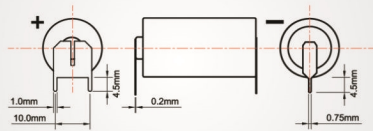
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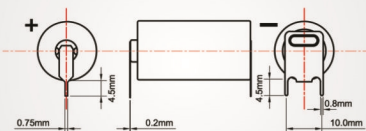
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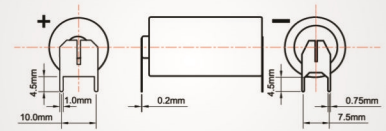
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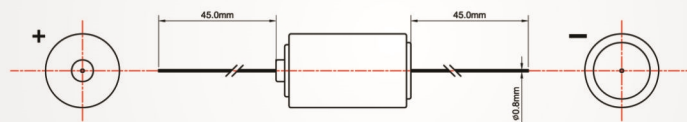
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PF



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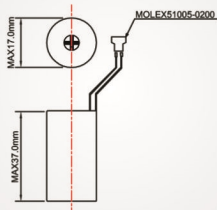


If you can't find the terminal here, please feel free to consult Huiderui for other options.

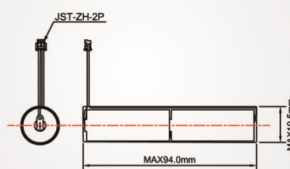
如需其他型号请联络惠德瑞

>> Customized Battery Packs 电池组

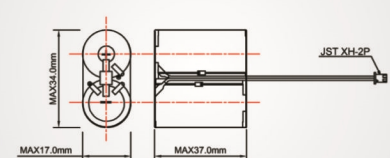
CR123A



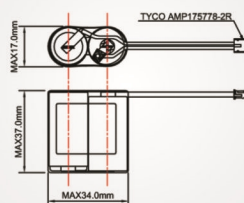
2CR17450



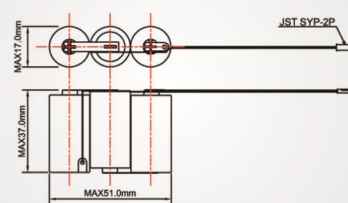
2CR123A



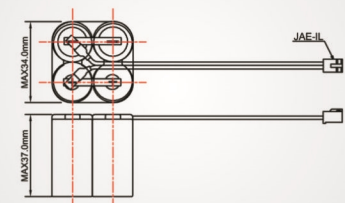
2CR123A-2P



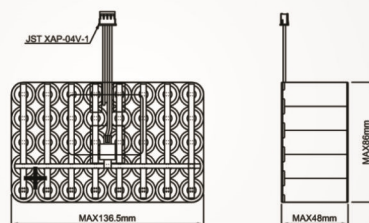
3CR123A



4CR123A

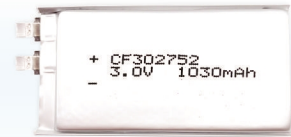


40CR17450



If you can't find the configuration here, please feel free to consult Huiderui for other options.

如需其他型号请联络惠德瑞
(2024)



>> Thin Pouch Batteries 软包电池

Model	Nominal Voltage (v)	Nominal Capacity (mah)	Standard Discharge Current(ma)	Max. Discharge Current(ma)		Max. Dimensions(mm)			Weight(g)	IEC	Cross Reference
				Continuous	Pulse	Length (L)	Width (W)	Thickness (T)			
CF224248	3	800	1	200	400	48.0	45.5	2.2	7.5	CF224248	—
CF263638	3	700	1	100	200	39.0	36.5	2.8	5.7	CF263638	—
CF302752	3	1030	1	500	800	52.0	27.0	3.0	7.1	CF302752	—
CF302775	3	1450	1	500	800	75.0	27.0	3.0	10.5	CF302775	—
CF332265	3	1050	1	500	800	67.0	22.0	3.3	7.7	CF332265	—
CF332544	3	750	1	100	200	44.0	25.5	3.3	6.0	CF332544	—
CF502540	3	1200	1	600	800	42.0	25.0	5.0	9.5	CF502540	—
CF552338	3	1080	1	100	200	39.0	23.0	5.7	7.8	CF552338	—
CF552723	3	670	1	200	400	23.0	27.0	5.5	5.0	CF552723	—
CF583083	3	4000	10	1000	2000	83.0	30.0	5.8	26.3	CF583083	—
CF603145	3	1900	1	1000	1500	45.0	31.0	6.2	13.9	CF603145	—
CF702323	3	700	1	100	200	23.5	23.5	7.2	5.2	CF702323	—
CF703035	3	1700	1	1000	1500	36.0	31.0	7.2	11.8	CF703035	—

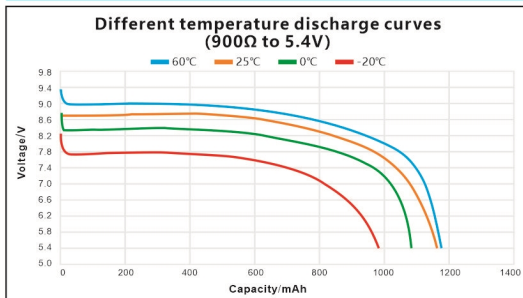
If you can't find the model here, please feel free to consult Huiderui for other options.

如需其他型号请联络惠德瑞

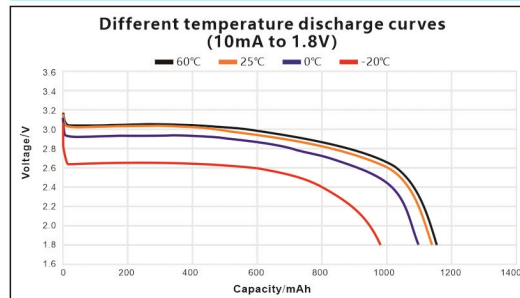
>> Applications 产品应用

• Intelligent instruments • Active IoT • GPS system • Electronic Shelf Label • 智能仪器 • IoT • GPS系统 • 电子货架标签

>> Discharge Characteristics CP9V



>> Discharge Characteristics CF502540



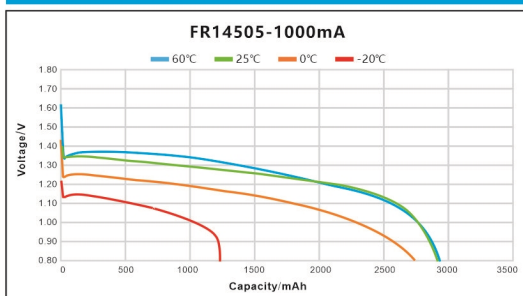
>> Cylindrical Li/FeS₂ Batteries 锂铁圆柱型电池

Model	Nominal Voltage (v)	Nominal Capacity (mah)	Standard Discharge Current(ma)	Max. Discharge Current(ma)		Max. Dimensions(mm)		Weight(g)	IEC	Cross Reference
				Continuous	Pulse	Diameter(D)	Height(H)			
AA	1.5	3000	35	2000	3000	14,5	50,5	16,0	FR6	FR14505
AAA	1.5	1000	20	1500	2000	10,5	44,5	7,3	FR03	FR10445

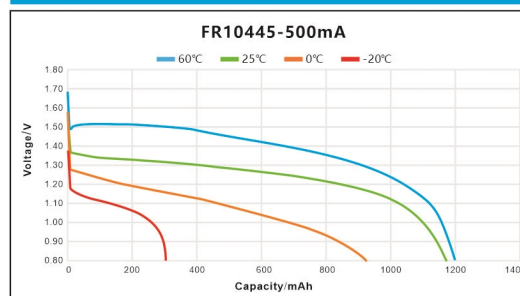
>> Applications 产品应用

• Digital Cameras • Portable devices • Lightings • Medical equipments • Memory backup power sources • 数码相机 • 便携设备 • 照明设备 • 医疗设备 • 后备电源

>> Discharge Characteristics FR6



>> Discharge Characteristics FR03



About us

Huizhou Huiderrui Lithium Battery Technology Co., Ltd. is a high-tech innovation company and focus on primary lithium battery R&D, manufacture and sales, it's core team has worked in primary lithium battery industry since year 2003 with rich experience and skill. The company was rated as a national-level high-tech enterprise in 2014. In September 2021, It was rated as a national-level specialized and special new "Little Giant". The company was listed on the Beijing Stock Exchange on November 15th, 2021, stock code: 833523.BJ.

Our major products include 3.0V Lithium Manganese Dioxide (Li/MnO₂) Batteries, 3.0V Thin Pouch Cells, 1.5V Lithium Iron Disulfide (Li/FeS₂) Batteries and 9V Lithium Manganese Dioxide (Li/MnO₂) batteries. Our batteries compete with products of world class enterprises, like Panasonic in overseas market.

Our R&D capabilities are extraordinary due to many high educated battery & equipment experts with rich experience in battery field and who have numbers of patents.

Our company has been approved by ISO9001, ISO14001, ISO45001, BSCI, Sedex and got the certificates for CE, CB, IEC, UL, UN, SGS (RoHS) and WERCS.

Our batteries are utilized in the fields for Smoke Detectors, Security Devices, Sensors, Intelligent Instruments, Electricity Meter, Water Meter, Gas Meter, Heat Meter, Security, Medical Treatment, GPS, IoT, Medical Equipments, Electronic Shelf Label Products, Price Tags, Digital Cameras, Portable Devices, Lightings, Military and so on.

惠州市惠德瑞锂电科技股份有限公司，是专注于一次锂电池的研发、生产和销售的高科技创新企业。核心团队自2003年一直从事一次锂电池的研发、生产和销售，积累了丰富的经验和技能。公司于2014年被评为国家级高新技术企业；2021年9月被评为国家级专精特新“小巨人”；同年11月15日在北交所挂牌上市，股票代码：833523.BJ。

主要产品包括：3.0V锂锰电池、3.0V超薄锂电池、1.5V锂铁电池和9V锂电池等。产品性能优异，与松下等世界一流企业在国外市场同台竞争。

公司研发力量强大，有多名极富经验的高学历电池及设备专家。拥有多项国内外专利。

公司及产品通过了ISO9001、ISO14001、ISO45001、BSCI、Sedex、CE、UL、UN、SGS (RoHS)、WERCS等认证。

我们的产品主要应用于烟雾报警器，安全设备，传感器，智能仪器，电、水、气和热表，安防，医疗，GPS，RFID，物联网，医疗设备，电子货架标签，电子价签，数码相机，便携式设备，照明和军事等领域。



Advantages 特点

- | | |
|---|---|
| ● High and stable operating voltage | ● 工作电压平台高而稳定 |
| ● High energy density
3 to 10 times higher than other non-lithium batteries | ● 能量密度大
比非锂体系电池大3-10倍 |
| ● Wide operating temperature range
Laser-sealing type: -40°C to 85°C
Crimp-sealing type: -40°C to 70°C
Thin pouch battery: -20°C to 60°C
Depends on battery type, output current and environment condition. | ● 工作温度范围宽
激光封口电池: -40°C to 85°C
机械封口电池: -40°C to 70°C
超薄电池: -20°C to 60°C
根据不同电池型号、输出电流及环境而定。 |
| ● Low self-discharge rate
Less than 1% per year at room temperature. | ● 自放电率低
室温下储存电池自放电率<1%/年。 |
| ● Long shelf life
90% capacity remaining after 10 year's storage at 20°C | ● 长寿命
20°C存储10年后仍有90%的容量 |
| ● Superior leakage resistance | ● 优秀的防漏设计 |
| ● Extremely safe
UL(MH45237/MH49306), UN38.3, CE and RoHS certificated. | ● 安全性能好
通过UL (MH45237/MH49306)、UN38.3、CE和RoHS等安全测试。 |
| ● Environmental protection
Don't contain toxic materials, noxious liquids or gases. | ● 绿色环保
不含任何有毒、有害物质 |





Huiderui

WARNING 警告



Do not charge, disassemble, heat above 100°C or incinerate. Do not use fresh batteries together with used batteries or other types of batteries. Do not short circuit.

禁止充电、拆解、加热到100°C以上或焚烧电池；禁止新旧电池或与其他类型电池混用；禁止短路。

Huizhou Huiderui Lithium Battery Technology Co., Ltd.

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