



BATTERIES

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PARTNER BATTERIE



Welt Electronic, da oltre 30 anni punto di riferimento per la distribuzione di componenti elettronici nel settore Industrial e Lighting, unisce il suo know-how e la sua esperienza con quelle di EEMB, Wuhan FANSO, BPI Better Power Battery e YUFENG, specializzati nella distribuzione di batterie, per offrire un servizio all'avanguardia a disposizione di tutte le aziende che desiderano innovarsi.

La gamma di prodotti offerti è molto ampia: dalle batterie primarie a quelle ricaricabili Li-Ion, Li-Po, Ni-Cd, Ni-Mh.

Attraverso questa partnership commerciale e strategica, Welt Electronic rafforza la propria presenza sul territorio con prodotti garantiti e di elevati standard qualitativi, senza rinunciare all'eccellente servizio tecnico a disposizione del cliente, da sempre carattere distintivo di Welt Electronic.

Welt Electronic, a reference point for over 30 years in distribution of electronic components in Industrial and Lighting fields, combines its know-how and experience with those of EEMB, Wuhan FANSO, BPI Better Power Battery e YUFENG, specialized in distribution of batteries, to offer a modern and efficient service to all customers wishing to innovate themselves.

The range of products is very wide: from the primary batteries to the rechargeable ones, as Li-Ion, Li-Po, Ni-Cd, Ni-Mh. With this new commercial and strategic cooperation, Welt Electronic integrates its presence in the area with certified and high-quality standard products, without renouncing the excellent technical customer service, which has always been the distinctive character of Welt Electronic.



EEMB è un produttore di batterie professionali e fornitore di soluzioni per batterie dal 1995.

La sua principale linea di prodotti si estende dalle batterie primarie al litio a quelle ricaricabili; ma grazie ad un'esperienza di oltre 20 anni nel settore ed una continua innovazione, quest'azienda ha anche la capacità di realizzare prodotti specifici in base alle diverse esigenze e richieste della clientela.

Con uno stabilimento che occupa più di 80.000 metri quadrati, l'impiego di oltre 1600 dipendenti e 6 filiali istituite a Wuhan, Shenzhen, Hong Kong, Giappone, Russia e Stati Uniti, la lunga storia di EEMB le ha permesso di introdursi nei principali mercati mondiali.

EEMB si impegna, non solo a garantire la qualità dei propri prodotti effettuando numerosi test di controllo, ma anche a mantenere un processo operativo rispettoso dell'ambiente.

EEMB is a professional battery manufacturer and battery solution provider since 1995.

The factory occupies more than 80,000 square meters of space with the employment of more than 1600 employees and 6 subsidiaries, ranging from Wuhan, Shenzhen, Hong Kong, Japan, Russia and the United States.

Its long history has enabled EEMB to be in all key global markets.

The main product line ranges from the primary lithium batteries to the rechargeable ones, and thanks to a long experience in this industry, EEMB is also able to design high quality products according to the customer's needs.

Various tests are done at EEMB to ensure to customers the safety of the products.

EEMB is also engaged to maintain an environmentally friendly process of operation that allows to create high quality products whilst being sustainable.

Micro Lithium Battery



Li-SOCl₂

Li-MnO₂

Li-ion/Polymer

LiFePO₄

Why choose lithium battery?

High energy density

Light weight

Wide operational temperature range

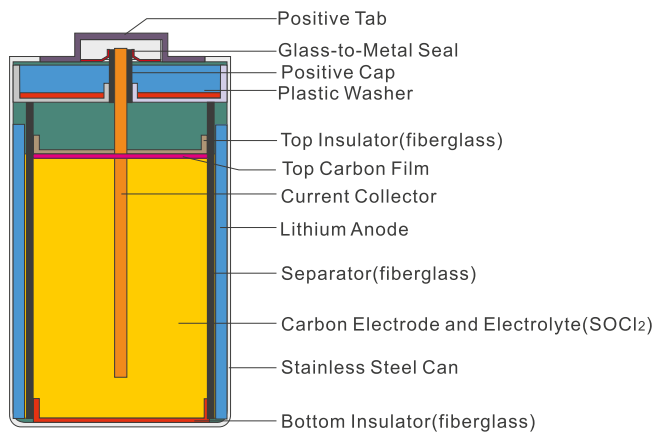
Long shelf life

Long service life

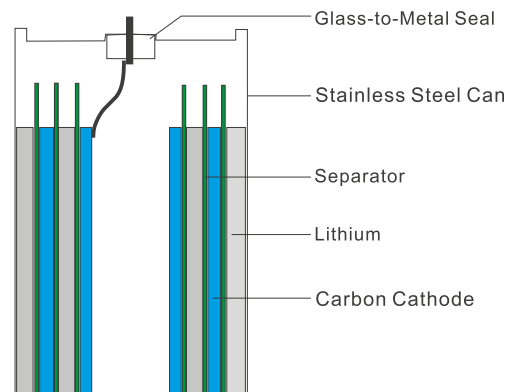
Li-SOCl₂ Battery Energy & High Power Type

Cell Constructions

Energy Type



High Power Type



Main Features

- ▼ Wide Temperature Range.
- ▼ Superior Shelf Life and Reliability: over 15 years at room temperature and self-discharge rate is less than 1% of its nominal capacity per year.
- ▼ Energy type is bobbin structure and best suit for low current discharge. It may require depassivation before medium currents can be delivered.
- ▼ High power type is spiral structure and best suit for high current discharge for both continuous & pulse currents. It may require depassivation before medium currents can be delivered.

Applications

- ✓ Medical Instruments, Cash Registers
- ✓ Alarms and security wireless devices
- ✓ Tracking devices
- ✓ Electronic Meters (Water, Gas, Electricity)
- ✓ Automotive telematics
- ✓ Professional electronics
- ✓ Marine / oceanographic equipment





Energy Type(Cylindrical)

Model	Size	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Max. Discharge Current(mA)		Dimension (mm)		Approx. Weight(g)
					Conts.	Pulse	Diameter	Height	
ER10250	—	3.6	400	0.5	5	10	10.4	25.0	4.0
ER10450	AAA	3.6	800	0.5	25	60	10.6	45.0	9.0
ER13150	—	3.6	450	0.5	10	20	13.5	15.7	7.0
ER13170	—	3.6	500	0.5	10	20	13.5	17.8	7.0
ER14250	1/2AA	3.6	1200	0.5	40	80	14.5	25.8	10.0
ER14335	2/3AA	3.6	1650	1.3	50	100	14.5	33.0	13.0
ER14505	AA	3.6	2400	2.0	100	200	14.5	49.5	20.0
ER17335	2/3A	3.6	2100	2.0	100	200	17.5	33.5	20.0
ER17505	A	3.6	3400	3.0	120	200	17.0	50.5	24.0
ER18505	—	3.6	4000	2.0	120	200	18.7	50.5	30.0
ER20505	—	3.6	4400	1.2	120	250	20.0	50.5	35.0
ER26500	C	3.6	9000	2.0	200	400	26.2	50.0	53.0
ER34615	D	3.6	19000	2.0	230	500	34.0	61.5	115.0
ER341245	DD	3.6	35000	2.0	420	500	32.9	124.5	200.0
ER9V	—	10.8	1200	0.5	40	80	16.9×26.3×48.6		40.0

Energy Type(Button)

ER2450	—	3.6	500	0.5	8.0	20	24.5	6.2	9.0
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Computer Back-up

ER14250-CB	1/2AA	3.6	1200	0.5	40	80	17.0	28.8	13.0
ER14505-CB	AA	3.6	2400	2.0	100	200	16.6	54.5	22.0
ER26500-CB	C	3.6	8500	3.0	170	400	30.0 x 30.0 x 56.0		55.0

High Power Type

Model	Size	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Max. Discharge Current(mA)		Dimension (mm)		Approx. Weight(g)
					Conts.	Pulse	Diameter	Height	
ER14250M	1/2AA	3.6	750	4.0	120	250	14.5	25.2	11.0
ER14335M	2/3AA	3.6	1200	4.0	300	500	14.5	33.5	13.0
ER14505M	AA	3.6	1800	10.0	500	1000	14.5	50.5	22.0
ER17335M	2/3A	3.6	1700	10.0	500	1000	17.0	33.5	21.0
ER18505M	—	3.6	3200	10.0	1000	2000	18.8	50.5	30.0
ER20505M	—	3.6	3600	10.0	1000	2000	20.2	50.5	35.0
ER26500M	C	3.6	6500	10.0	1000	2000	26.2	50.5	57.0
ER34615M	D	3.6	14000	10.0	2000	3000	34.2	61.5	118.0

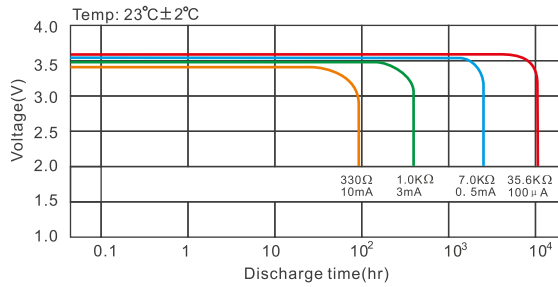
Operation Temperature: -55 ~ + 85°C, Self-Discharge Rate: ≤ 1%/year at room temperature.

Electrical Performance Curve

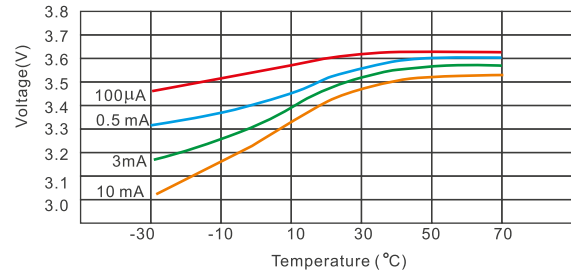
Energy Type

(For ER14250 Typical)

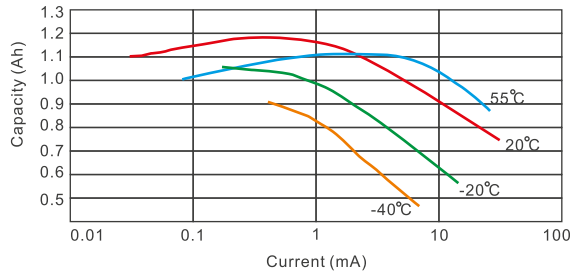
Discharge Characteristics



Voltage Vs. Temperature Characteristics



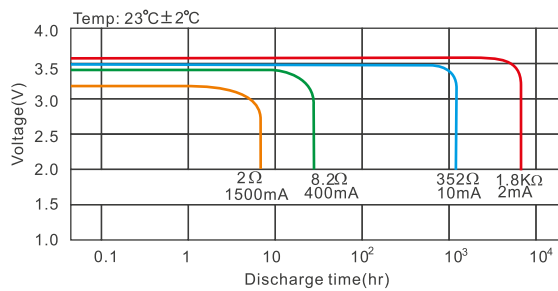
Capacity Vs. Current Characteristics



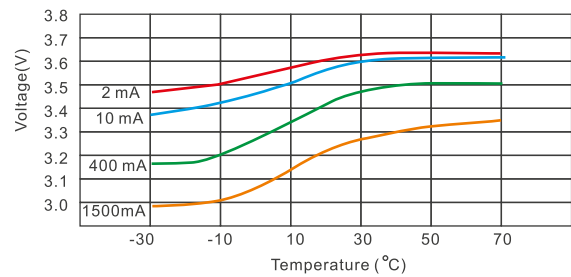
High Power Type

(For ER34615M Typical)

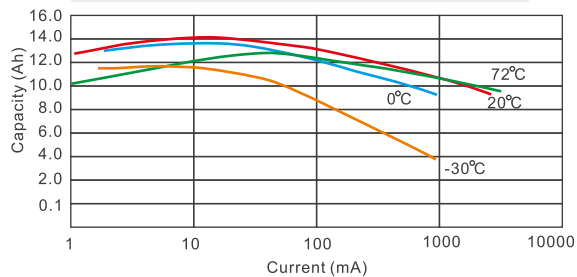
Discharge Characteristics



Voltage Vs. Temperature Characteristics



Capacity Vs. Current Characteristics



Li-SOCl₂ Battery High Temperature Type



High Temperature Type

Model	Size	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Max. Discharge Current(mA)		Dimension (mm)		Approx. Weight(g)
					Conts.	Pulse	Diameter	Height	
ER14250S	1/2AA	3.6	600	50.0	50	100	14.65	25.2	10.0
ER14505S	AA	3.6	1800	50.0	100	200	14.65	50.5	20.0
ER26500S	C	3.6	5500	50.0	150	300	26.2	50.0	55.0
ER34615S	D	3.6	12000	100.0	170	350	33.2	61.5	108.0
ER341245S	DD	3.6	25000	200.0	400	800	33.2	124.5	220.0
ER17335S	2/3AA	3.6	1200	—	80	—	17.0	33.5	19.0

Operation Temperature:-20~ + 150°C, Self-Discharge Rate: ≤1%/year at room temperature.

Main Features

- Extension of operating temperature range.
- Less loss in capacity.
- Superior shelf life and high reliability.
- Low self-discharge rate.

Applications

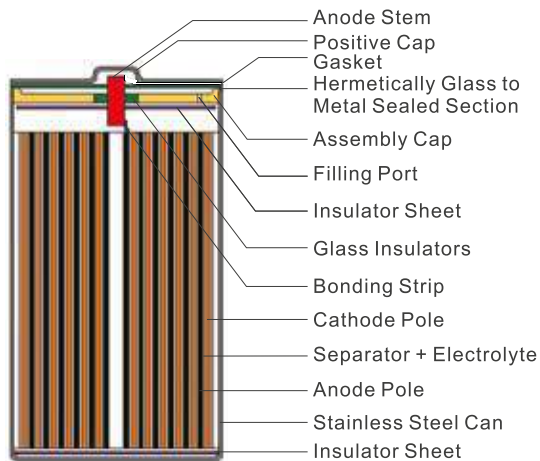
- Physical detection and NC wells detection tool
- Data acquisition instrument
- Electronic testing instrument
- Aerospace equipment



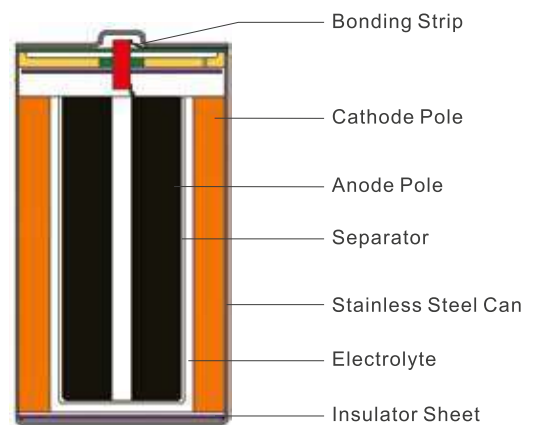
Li-MnO₂ Cylindrical Battery

Cell Constructions (Hermetically Glass to Metal Sealed)

High Power Type



High Capacity Type



Main Features

- High power type for high current discharge & High capacity type for low current discharge.
- Low self-discharge rate and long shelf life.
- Stable discharge characteristics.
- Superior leakage resistance.

Applications

- Fully automatic cameras
- DSC, Lighting, Radios
- Electronic locks
- Medical equipment
- Water, gas and electricity meters
- Memory backup power sources



High Power Spiral Structure

Model	Size	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Max. Discharge Current(mA)		Dimension (mm)		Approx. Weight(g)
					Conts.	Pulse	Diameter	Height	
CR14250SL	1/2AA	3.0	600	1.0	500	1000	14.5	25.0	10.0
CR14335SL	2/3AA	3.0	900	1.0	800	1500	14.5	33.5	14.0
CR14505SL	AA	3.0	1500	1.0	1000	2000	14.5	50.5	21.0
CR2SL	—	3.0	800	1.0	800	1500	15.5	27.0	13.0
CR123ASL	—	3.0	1500	1.0	1500	3000	17.0	34.5	20.0
CR17335SL	2/3A	3.0	1500	1.0	1500	3000	17.0	34.5	20.0
CR17450SL	—	3.0	2200	1.0	1500	3000	17.0	45.0	26.0
CR17505SL	A	3.0	2500	1.0	1500	3000	17.0	50.5	30.0
CR18505SL	—	3.0	2800	1.0	1500	3000	18.5	50.5	35.0
CR26500SL	C	3.0	5000	1.0	2000	3000	26.2	50.0	62.0
CR34615SL	D	3.0	11000	10.0	2000	3000	34.2	61.5	125.0
2CR5SL	—	6.0	1500	1.0	1500	3000	34.0X17.0X45.0		43.0
CR-P2SL	—	6.0	1500	1.0	1500	3000	35.8X19.5X34.8		42.0

Operation Temperature:-40 ~ +85°C, Self-Discharge Rate: 1%/year at room temperature.



High Capacity Bobbin Structure

Model	Size	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Max. Discharge Current(mA)		Dimension (mm)		Approx. Weight(g)
					Conts.	Pulse	Diameter	Height	
CR10450BL	—	3.0	850	0.5	7	70	10.0	45.0	10.0
CR14250BL	1/2AA	3.0	900	0.5	7	70	14.5	25.0	11.0
CR14335BL	2/3AA	3.0	1100	0.5	8	80	14.5	33.5	16.0
CR14505BL	AA	3.0	1800	1.0	10	100	14.5	50.5	22.0
CR17335BL	2/3A	3.0	1800	1.0	10	100	17.0	34.5	22.0
CR17450BL	—	3.0	2400	1.0	15	150	17.0	45.0	28.0
CR18505BL	—	3.0	3000	1.0	20	200	18.5	50.5	38.0
CR34615BL	D	3.0	14000	2.0	80	200	34.2	61.5	135.0

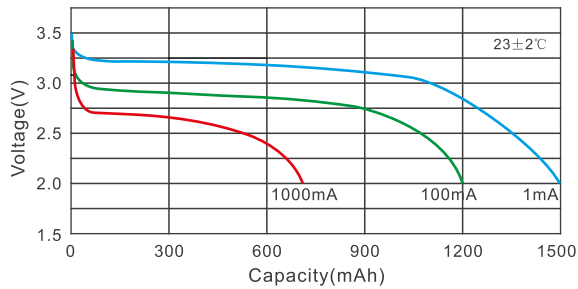
Operation Temperature:-40 ~ +85°C, Self-Discharge Rate: 1%/year at room temperature.

Electrical Performance Characteristics

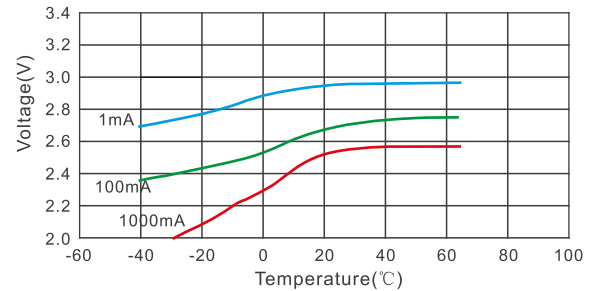
High Power Type

(For CR14505SL Typical)

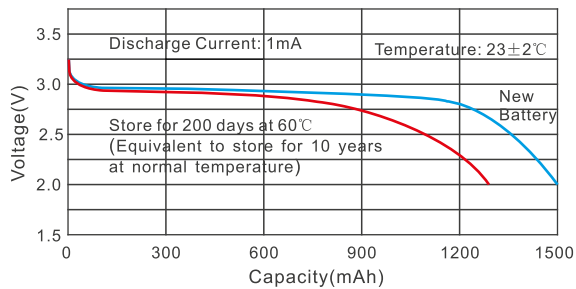
Discharge Characteristics



Voltage Vs. Temperature Characteristics



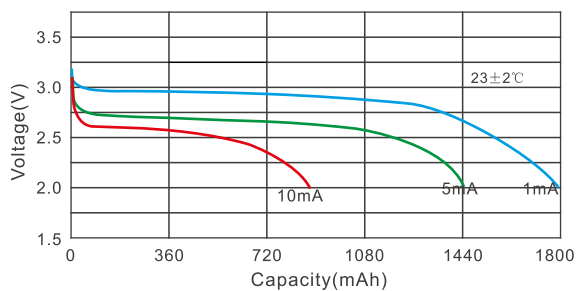
New Battery Vs. Stock Battery



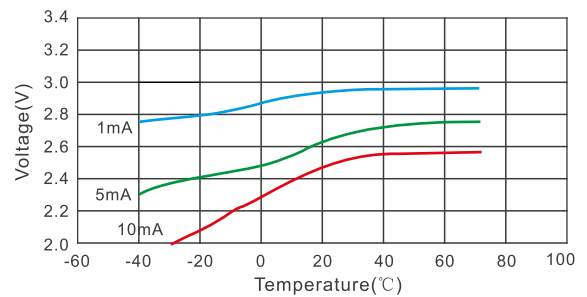
High Capacity Type

(For CR14505BL Typical)

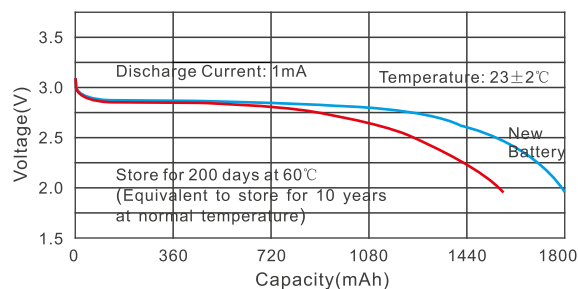
Discharge Characteristics



Voltage Vs. Temperature Characteristics



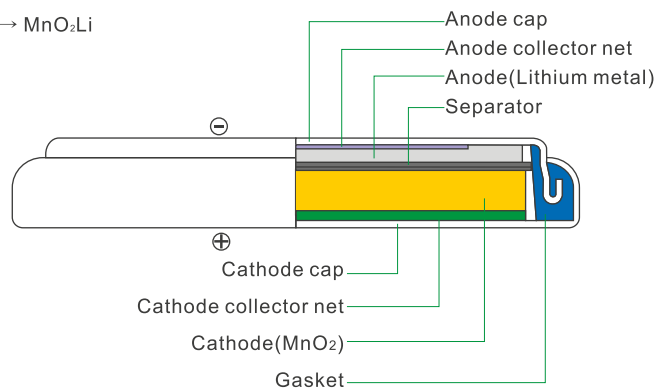
New Battery Vs. Stock Battery



Li-MnO₂ Coin Battery

Cell Constructions

Positive reaction: $\text{MnO}_2 + \text{Li}^+ + \text{e}^- \rightarrow \text{MnO}_2\text{Li}$
 Negative reaction: $\text{Li} \rightarrow \text{Li}^+ + \text{e}^-$
 Total reaction: $\text{MnO}_2 + \text{Li} \rightarrow \text{MnO}_2\text{Li}$



Main Features

- ▼ Low self-discharge rate and long shelf life.
Self-discharge rate: less than 3% a year at room temperature.
- ▼ Stable discharge characteristics.
- ▼ Superior high-rate pulse discharge characteristics.
- ▼ Applicable in a wide temperature range.
- ▼ Superior leakage resistance.

Applications

- | | |
|-----------------------------------|------------------------------|
| ✓ Watches (digital and analog) | ✓ PC cards |
| ✓ Calculators | ✓ LED-related |
| ✓ Electronic notebooks | ✓ Medical equipment |
| ✓ Electronic keys for automobiles | ✓ Memory backup power source |
| ✓ Card radios | |





Standard Type

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Dimension (mm)		Approx. Weight(g)
				Diameter	Height	
CR1220	3.0	40	0.2	12.5	2.0	0.8
CR1225	3.0	50	0.2	12.5	2.5	1.0
CR1616	3.0	50	0.1	16.0	1.6	1.2
CR1620	3.0	70	0.1	16.0	2.0	1.3
CR1632	3.0	120	0.1	16.0	3.2	1.6
CR2016	3.0	85	0.2	20.0	1.6	1.7
CR2025	3.0	150	0.4	20.0	2.5	2.4
CR2032	3.0	210	0.2	20.0	3.2	3.0
CR2330	3.0	250	0.4	23.0	3.0	4.0
CR2354	3.0	500	0.4	23.0	5.4	5.7
CR2430	3.0	270	0.4	24.5	3.0	4.3
CR2450	3.0	550	0.4	24.5	5.0	6.2
CR2477	3.0	1000	2.0	24.5	7.7	9.5
CR3032	3.0	500	0.4	30.0	3.2	6.8

Operation Temperature: -20 ~ + 60°C, Self-Discharge Rate: < 3%/year at room temperature.

High Temperature Type

CR1225S	3.0	45	0.05	12.5	2.5	0.9
CR1632S	3.0	110	0.1	16.0	3.2	2.0
CR2025S	3.0	150	0.2	20.0	2.5	2.5
CR2032S	3.0	210	0.2	20.0	3.2	3.0
CR2450S	3.0	550	0.2	24.5	5.0	6.8

Operation Temperature: -40 ~ + 125°C, Self-Discharge Rate: < 5%/year at room temperature.

Low Temperature Type

CR1632L	3.0	120	0.2	16.0	3.2	2.0
CR2032L	3.0	210	0.2	20.0	3.2	3.0
CR2450L	3.0	580	0.4	24.5	5.0	6.8

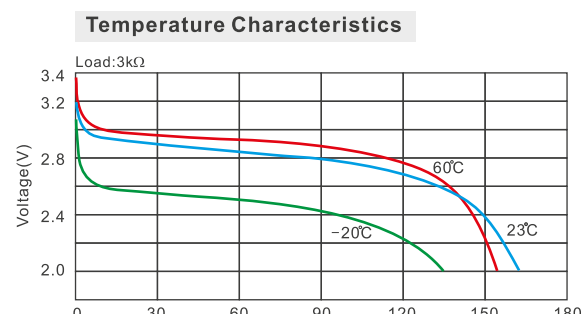
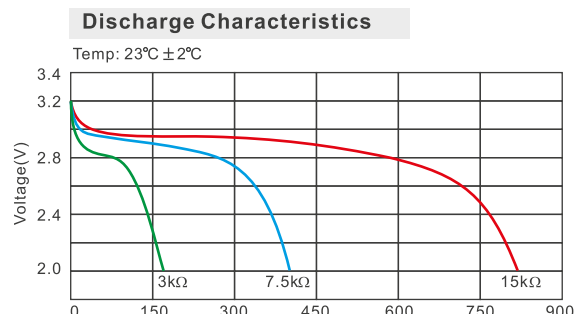
Operation Temperature: -40 ~ + 70°C, Self-Discharge rate: < 5%/year at room temperature.

High Capacity Type

CR2032H	3.0	230	0.2	20.0	3.2	3.0
CR2450H	3.0	600	0.4	24.5	5.0	6.5

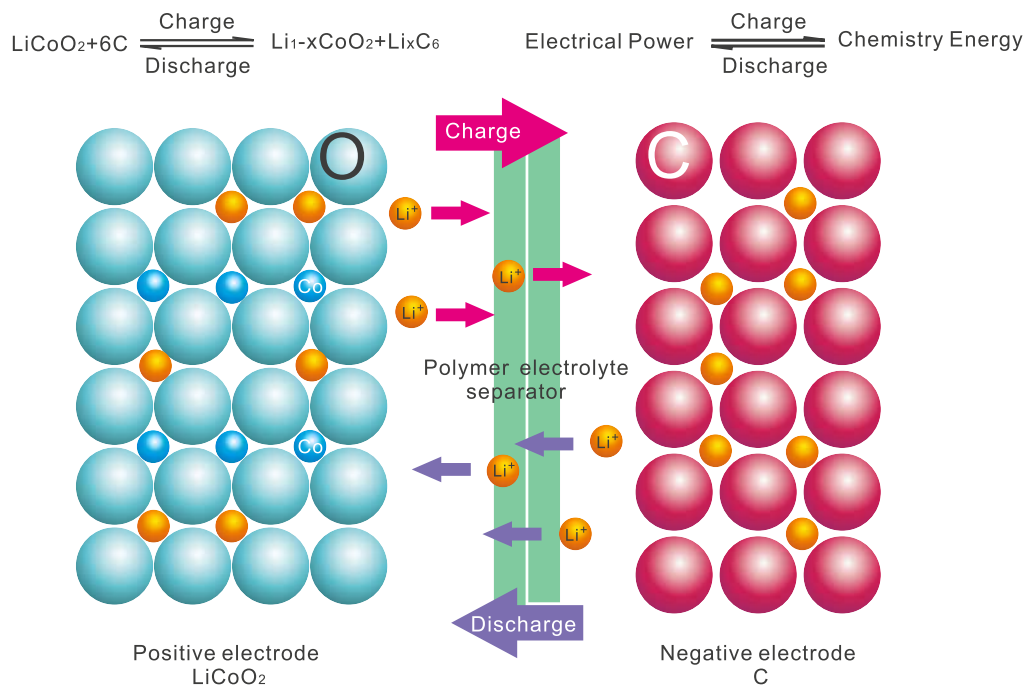
Operation Temperature: -20 ~ + 60°C, Self-Discharge Rate: < 3%/year at room temperature.

Electrical Performance Curve (For CR2025 Typical)



Li-Polymer Battery Rechargeable

Lithium Ion Polymer Battery Theory



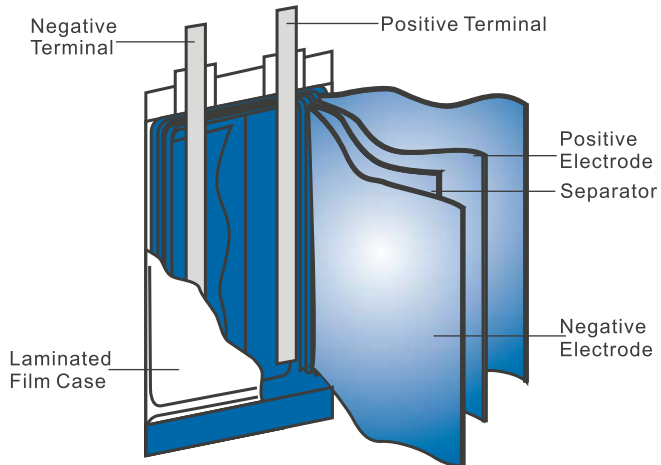
Main Features

- ▼ Excellent high power discharge
- ▼ Extremely safe
- ▼ Long cycle life
- ▼ Design flexible
- ▼ Lighter & thinner
- ▼ Low self-discharge rate
- ▼ Environmentally friendly

Applications

- ✓ R/C Flying Models, Racing Car
- ✓ Portable DVD, MP3, MP4
- ✓ Bluetooth, Wireless Devices
- ✓ GPS
- ✓ PDA, Digital Camera
- ✓ Electric Bicycle, Power Tools

Cell Constructions



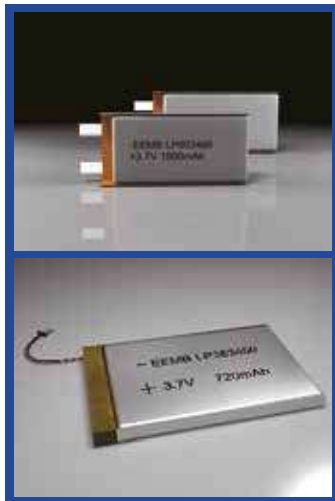
Positive: Pre-lithiated transition metal oxides, such as lithium cobalt oxide, lithium manganese oxide and etc.

Negative: carbon materials with special structures, such as soft carbon, hard carbon graphite and graphite carbon fibers and etc.

Electrolyte: organic solvents and lithium salt solution.

Separator: porous polypropylene (PP) or polyethylene(PE)

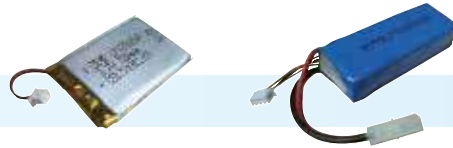
Packaging materials: aluminum composite film, steel casing or aluminum casing.



Product Specification

Standard Version

Model	Nominal Voltage (V)	Nominal Capacity(mAh)		Dimension (mm)			Approx. Weight(g)
		Typical	Minimum	Thickness	Width	Height	
LP451124	3.7	65	55	4.8	11.5	26	1.3
LP401230	3.7	100	90	4.3	12	30	2.0
LP501230	3.7	140	130	5.3	12.5	31	2.8
LP301730	3.7	100	90	3.5	17.5	31	2.0
LP401730	3.7	150	140	4.3	17.5	31	3.0
LP601730	3.7	260	240	6.3	17.5	31	5.2
LP401745	3.7	250	230	4.3	17.5	46	5.0
LP402030	3.7	190	180	4.3	20.5	31	3.1
LP452030	3.7	230	210	4.8	20.5	31	4.6
LP502030	3.7	250	230	5.3	20.5	31	5.0
LP222036	3.7	95	90	2.5	20.5	37	1.9
LP402036	3.7	220	200	4.3	20.5	37	4.4
LP502036	3.7	310	280	5.3	20.5	37	6.2
LP552036	3.7	360	330	5.8	20.5	37	7.2
LP852040	3.7	620	580	8.8	20.5	41	12.4
LP822245	3.7	750	700	8.5	22.5	46	15.0
LP652438	3.7	540	500	6.8	24.5	39	10.8
LP752438	3.7	600	550	7.8	24.5	39	12.0
LP603026	3.7	420	400	6.3	30.5	27	8.4
LP653042	3.7	820	760	6.8	30.5	43	16.4
LP453048	3.7	710	650	4.8	30.5	49	14.2
LP503048	3.7	700	650	5.3	30.5	49	14.0
LP603048	3.7	900	800	6.3	30.5	49	18.0
LP703048	3.7	1000	950	7.3	30.5	49	20.0
LP803048	3.7	1200	1100	8.3	30.5	49	24.0
LP883048	3.7	1300	1200	9.1	30.5	49	26.0
LP803090	3.7	2300	2200	8.3	30.5	91	46.0
LP883090	3.7	2700	2600	9.1	30.5	91	54.0
LP403448	3.7	620	580	4.3	34.5	49	12.4
LP503448	3.7	880	830	5.3	34.5	49	17.6
LP603448	3.7	1000	950	6.3	34.5	49	21.0
LP803448	3.7	1350	1250	8.0	34.5	49	27.0
LP293450	3.7	450	420	3.5	34.5	51	9.0
LP323450	3.7	550	500	3.5	34.5	51	11.0
LP383450	3.7	720	670	4.1	34.5	51	14.4
LP483450	3.7	800	750	5.1	34.5	51	16.0
LP503450	3.7	1000	900	5.3	34.5	51	20.0
LP533450	3.7	900	850	5.6	34.5	51	18.0
LP603450	3.7	1100	1000	6.3	34.5	51	22.0
LP703450	3.7	1250	1150	7.3	34.5	51	25.0
LP803450	3.7	1400	1300	8.3	34.5	51	28.0
LP953450	3.7	1800	1700	9.8	34.5	51	36.0
LP963450	3.7	1800	1700	9.9	34.5	51	36.0
LP243452	3.7	350	330	2.7	34.5	55	7.0
LP383454	3.7	750	700	4.1	34	55	15.0
LP103454	3.7	2000	1900	10.3	34.5	55	40.0
LP603560	3.7	1300	1200	6.3	35.5	61	26.0
LP503759	3.7	1200	1100	5.0	37.5	60	24.0



Standard Version

Model	Nominal Voltage (V)	Nominal Capacity(mAh)		Dimension (mm)			Approx. Weight(g)
		Typical	Minimum	Thickness	Width	Height	
LP583759	3.7	1350	1250	6.1	37.5	60	27.0
LP404261	3.7	1000	950	4.3	42.5	62	20.0
LP754261	3.7	2000	1900	7.8	42.5	62	40.0
LP704374	3.7	2200	2100	7.0	43.5	75	50.0
LP704765	3.7	2400	2300	7.3	47.5	66	48.0
LP804765	3.7	2600	2500	8.3	47.5	66	52.0
LP884765	3.7	3000	2800	9.1	47.5	66	60.0
LP385085	3.7	1600	1500	4.1	50.5	86	32.0
LP505085	3.7	2300	2200	5.3	50.5	86	46.0
LP705085	3.7	3500	3300	7.3	50.5	86	70.0
LP9051109	3.7	5000	4700	9.3	51.5	110	100.0
LP9551119	3.7	6800	6500	9.8	51.5	120	136.0
LP555255	3.7	1650	1550	5.8	52.5	56	33.0
LP305590	3.7	1450	1350	3.7	55.5	91	29.0
LP385590	3.7	1900	1800	4.1	55.5	91	38.0
LP505590	3.7	2800	2700	5.3	55.5	91	56.0
LP545590	3.7	2900	2800	5.7	55.5	91	58.0
LP605590	3.7	3400	3200	6.3	55.5	91	68.0
LP61100100	3.7	6800	6400	6.4	100.5	101	136.0
LP38103122	3.7	5200	4900	4.1	103.5	123	104.0
LP70103122	3.7	8700	8300	7.3	103.5	123	174.0

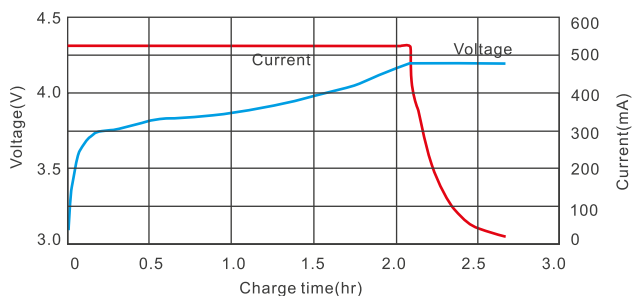
Operation Temperature:-20 ~ + 60°C.

*Thickness can be adjusted while the length and width remain the same.

Electrical Performance Curve (For LP703048 Typical)

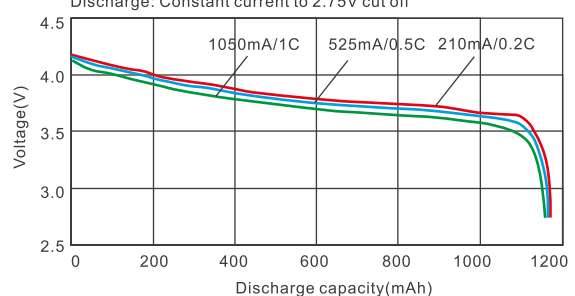
Charge Characteristics

CCCV: 525mA(0.5C) to 4.2V; 4.2V, 3.5hr 21mA cut-off at room temperature



Discharge Characteristics

Charge: CCCV: 525mA(0.5C) to 4.2V; 4.2V, 3.5hr 21mA cut-off at room temperature
Discharge: Constant current to 2.75V cut off



High Rate Discharge Version

Model	Nominal Voltage (V)	Nominal Capacity(mAh)		Dimension (mm)			Approx. Weight(g)
		Typical	Minimum	Thickness	Width	Height	
LP452030HA	3.7	160	140	4.5	20	30	4.5
LP353048HA	3.7	400	350	3.8	30.5	49	8.0
LP403048HA	3.7	400	380	4.0	30	48	10.0
LP423048HA	3.7	430	390	4.2	30	48	28.5
LP503048HA	3.7	550	500	5.3	30.5	49	11.0
LP703048HA	3.7	800	750	7.0	30	48	19.0
LP883090HA	3.7	2000	1900	8.8	30	90	45.5
LP553448HA	3.7	800	750	5.8	34.5	49	16.0
LP603450HA	3.7	880	830	6.0	34	50	13.5
LP803454HA	3.7	1400	1300	8.3	34.5	55	28.0
LP803560HA	3.7	1250	1150	8.0	35	60	30.5
LP503759HA	3.7	850	800	5.0	37	59	22.0
LP451218HB	3.7	40	39	4.7	12.5	19	1.1
LP555590HB	3.7	2300	2200	5.5	55	90	54.5
LP723048HB	3.7	800	784	7.0	30	48	19.0
LP532030HB	3.7	200	180	5.8	20.5	32.5	7.0
LP551522HB	3.7	100	90	6.0	15.5	23	3.4
LP681723HB	3.7	150	143	7.3	17.5	26	4.8
LP481530HC	3.7	120	110	4.8	15	30	3.3
LP753496HC	3.7	2200	2150	7.8	34.5	98	48.5
LP3834106HD	3.7	1200	1100	3.8	34	106	29.0
LP8242125HD	3.7	4000	3800	8.2	42	125	91.0
LP9245150HD	3.7	5550	5400	9.2	45	150	111.0
LP1042126HD	3.7	5000	4750	10.0	43	127	116
LP7842125HD	3.7	3700	3650	7.8	42	125	88.0

Operation Temperature:-20 ~ + 60°C.



※ HA: 5 C-10 C Continuous Discharge

※ HB: 10 C-15 C Continuous Discharge

※ HC: 15 C-20 C Continuous Discharge

※ HD: 20 C Continuous Discharge

High & Low Temperature Version

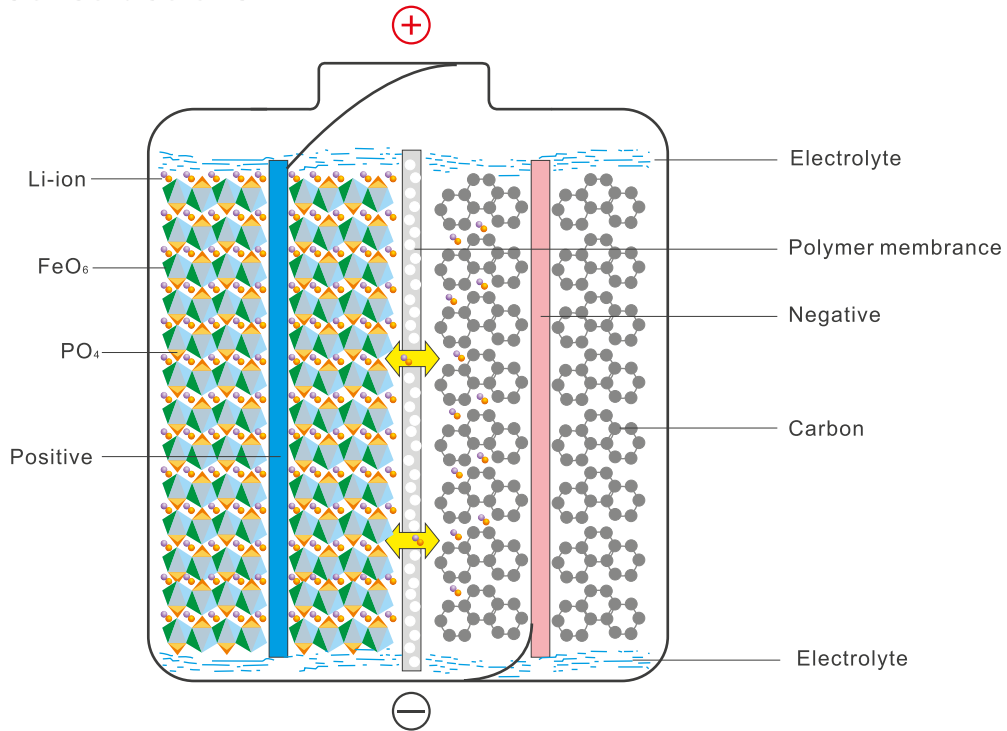
Model	Nominal Voltage (V)	Nominal Capacity(mAh)		Dimension (mm)			Approx. Weight(g)
		Typical	Minimum	Thickness	Width	Height	
LP383454LC	3.7	720	680	4.1	34.5	55	14.4
LP603048LC	3.7	900	850	6.3	30.5	49	18.0
LP963450LC	3.7	1800	1700	9.9	34.5	51	36.0
LP103450LC	3.7	1850	1800	10.3	34.5	51	37.0
LP505597LC	3.7	3100	3000	5.3	55.5	98	62.0
LP103454LC	3.7	2000	1950	10.3	34.5	55	40.0
LP102040TB	3.7	800	750	10.3	20.5	41	16.0

LC: Operation Temperature -40 ~ 55°C. TB: Operation Temperature -20 ~ 70°C.

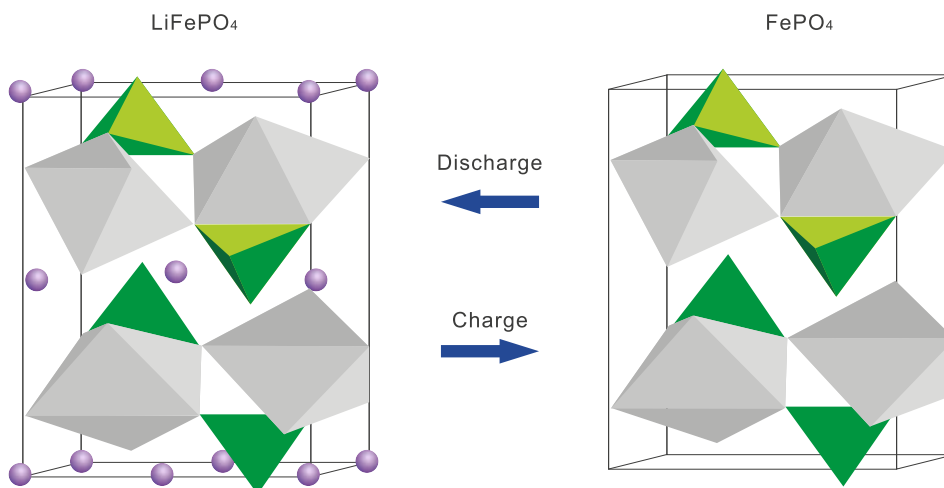
*Thickness can be adjusted while the length and width remain the same.

LiFePO₄ Battery **Rechargeable**

Cell Constructions



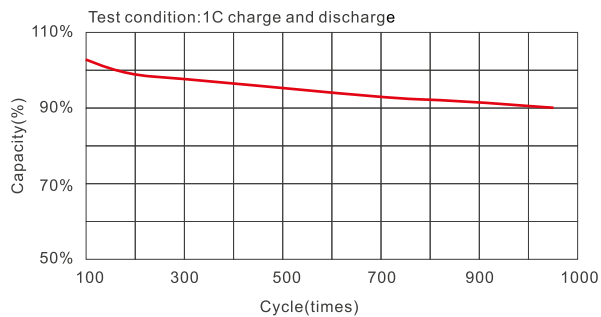
Lithium Iron Phosphate Battery Theory



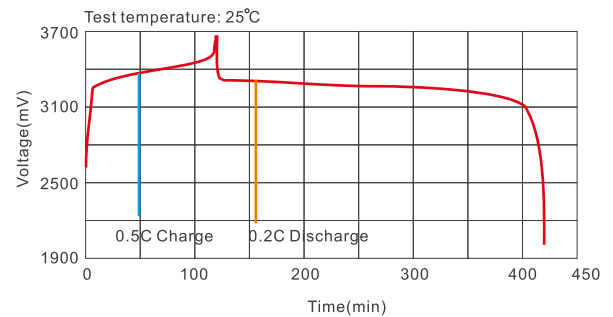


Electrical Performance Characteristics

Cycle Life Characteristics



Charge & Discharge Characteristics



Main Features

- ▼ **Long cycle life: more than 2000 times**
Charge and discharge at 1C, 80% capacity retention after 2000 cycles.
- ▼ **High safety**
- ▼ **Excellent charging and discharging performance**
- ▼ **High discharge rate up to 10C**
- ▼ **Environmentally friendly**
No poisonous or hazardous materials, no pollution to the environment.

Applications

- ✓ **Light Electric Vehicles**
E-bike, Golf cart, Minitype panel scooter, Forklift, Cleaning vehicle, Electric-wheel chair.
- ✓ **Energy Storage Equipment for Solar Energy and Wind Energy**
- ✓ **Electric Tools**
Electric drill, Electric saw, Electric lawn mower, UPS, Emergency lamp, Caution light and miner's light (Best safety)
- ✓ **Electric Vehicles**
Tourist bus and hybrid vehicle.
- ✓ **Mobile Telecommunication Base Station**
- ✓ **Emergency Power Supply System**

Cell						
Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Dimension(mm) max.			Approx. Weight(g)
			Thickness	Width	Height	
LP903395F	3.2	2000	9.3	33.5	97	40.0
LP584374F	3.2	1300	6.1	43.5	75	32.5
LP904374F	3.2	2100	9.3	43.5	75	52.5
LP7851119F	3.2	3500	8.1	51.5	120	87.5
LP9051119F	3.2	4300	9.3	51.5	121	107.5
LP7053140F	3.2	4000	7.3	53.5	142	100.0
LP5267220F	3.2	6000	5.5	67.5	222	150.0
LP1167220F	3.2	11000	11.3	67.5	224	275.0
LP7568130F	3.2	5000	7.8	68.5	131	125.0
LP9590120F	3.2	7500	9.8	90.5	122	187.5
LP8867220F	3.2	10000	9.3	67.5	224	250.0
LP60100100F	3.2	4500	6.3	100.5	101	112.5
LP90100160F	3.2	10000	9.5	101.0	166	250.0
LP75103122F	3.2	7000	7.8	103.5	123	175.0
LP13120215F	3.2	25000	14.0	122.0	225	750.0

Models Listed are all UL Certificated and have ready mold.

Pack						
Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm) max.			Approx. Pack Weight (kg)
			Thickness	Width	Height	
LP8867220F-4S	12	10	9.3	67.5	224	1.5
LP8867220F-2P4S	12	20	9.3	67.5	224	2.5
LP8867220F-4P4S	12	40	9.3	67.5	224	4.5
LP8867220F-8S	24	10	9.3	67.5	224	2.5
LP8867220F-2P8S	24	20	9.3	67.5	224	4.5
LP8867220F-6P16S	48	60	9.3	67.5	224	25.0
LP8867220F-2P20S	60	20	9.3	67.5	224	11.0
LP8867220F-4P20S	60	40	9.3	67.5	224	22.0

Module						
Model	Nominal Voltage(V)	Nominal (mAh)	Dimension(mm) max.			Approx. Weight(kg)
			Thickness	Width	Height	
3.2V, 40Ah	3.2	40	60	95	280	2.00
3.2V, 80Ah	3.2	80	60	165	280	3.25
3.2V, 100Ah	3.2	100	71	160	280	3.75

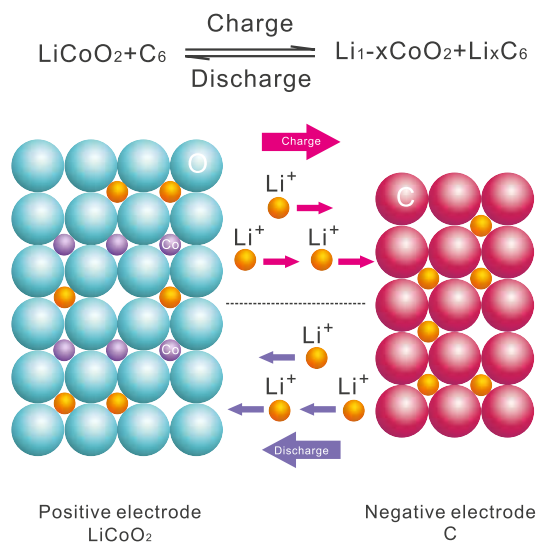
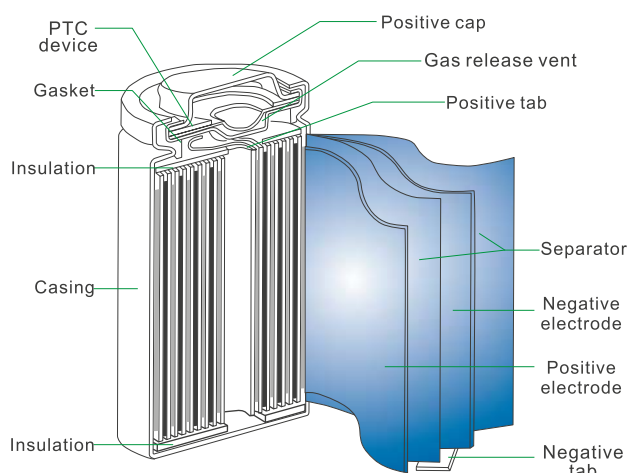
Cylindrical						
Model	Nominal Voltage(V)	Nominal Capacity (mAh)	Internal Impedance (mΩ)	Dimension(mm) max.		Approx. Weight(g)
				Diameter	Height	
LIP14500	3.2	600	≤40	14.0	50.0	17
LIP18500	3.2	1000	≤60	18.1	48.8	37
LIP18650	3.2	1100	≤20	18.0	65.0	41
LIP18650	3.2	1400	≤60	18.0	65.0	40
LIP26650	3.2	3200	≤50	26.5	66.0	90

Operation Temperature:-10 ~ + 60°C.

Li-ion Battery Rechargeable

Cell Constructions and Theory

Cylindrical Type Battery



Main Features

▼ Compact and slim

Its high energy density helps design smaller and lighter equipment such as notebooks which consume higher power.

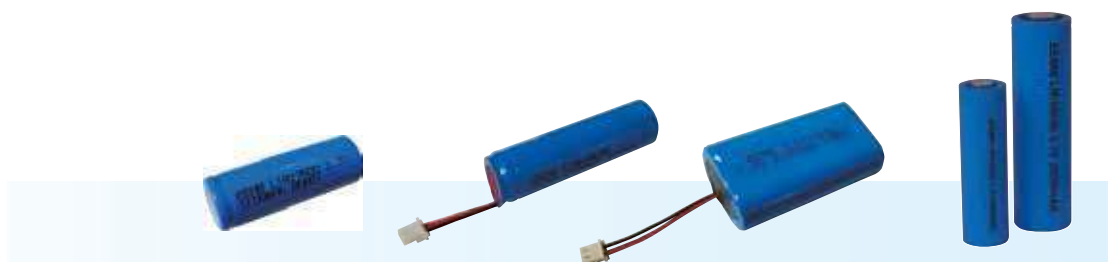
▼ Long operating time

Its graphite negative electrode enables the battery pack to operate equipment for a long time with stable platform voltage.

Applications

- ✓ Tracking units
- ✓ Monitoring units
- ✓ Communication devices
- ✓ Electronic instruments
- ✓ Audio visual equipment

- ✓ Laptop computers
- ✓ Wearable electronics devices
- ✓ Digital cameras
- ✓ Office automation
- ✓ PDA and handy terminals



Cylindrical Type

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Internal Impedance (mΩ)	Dimension (mm)		Approx. Weight(g)
				Diameter	Height	
LIR10440	3.7	300	≤80	10.5	44.5	10.0
LIR14500	3.2	580	≤60	14.1	49.5	19.0
LIR14500	3.2	600	≤80	14.1	52.5	21.0
LIR17500	3.7	1100	≤80	17.5	50.5	29.0
LIR18500	3.7	1300	≤70	18.0	50.0	33.0
LIR18500	3.7	1400	≤70	18.5	50.0	33.0
LIR18650	3.7	2000	≤60	18.5	65.5	45.0
LIR18650	3.7	2200	≤80	18.6	65.3	47.0
LIR18650	3.7	2600	≤60	18.55	65.2	45.5
LIR18650	3.7	3000	≤60	18.0	65.0	46.5

Prismatic Type

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Internal Impedance (mΩ)	Dimension (mm)			Approx. Weight(g)
				Thickness	Width	Length	
LIR103450A	3.7	1800	≤60	10.5	34.0	50.0	35.5
LIR043048A	3.7	600	≤60	4.4	30.0	47.8	14.5
LIR523443A	3.7	880	≤80	5.5	34.0	43.0	18.1

*Battery pack can be customized according to customer's requirements.



Notebook

Handy terminal



Camcorder

PDA





Coin Type

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Recommended Current(mA)		Approx Dimension (mm)		Approx. Weight(g)
			Conts.	Pulse	Diameter	Height	
LIR1220	3.6	7 $\pm$ 1	0.2CmA	0.5CmA	12.5	2.0	0.8
LIR1620	3.6	15 $\pm$ 2			16.0	2.0	1.2
LIR1632	3.6	25 $\pm$ 2			16.0	3.2	1.7
LIR2016	3.6	15 $\pm$ 2			20.0	1.6	1.7
LIR2025	3.6	30 $\pm$ 2			20.0	2.5	2.3
LIR2032	3.6	40 $\pm$ 2			20.0	3.2	2.8
LIR2430	3.6	55 $\pm$ 5		1CmA	24.5	3.0	3.8
LIR2440	3.6	80 $\pm$ 5			24.5	4.0	4.4
LIR2450	3.6	120 $\pm$ 10			24.5	5.0	5.0
LIR2466	3.6	145 $\pm$ 5			24.5	6.6	6.7
LIR2477	3.6	185 $\pm$ 5			24.5	7.7	7.5

High Capacity Type

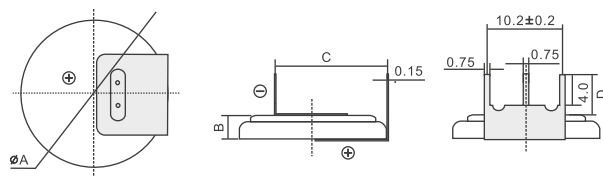
LIR1220H	3.6	11 $\pm$ 1	0.2CmA	0.5CmA	12.5	2.0	1.8
LIR2016H	3.6	28			20.0	1.6	1.8
LIR2032H	3.6	70			20.0	3.2	3.2
LIR2450H	3.6	200		1CmA	24.5	5.0	6.3
LIR1255	3.6	55 $\pm$ 5			12.5	5.5	1.85
LIR1648	3.6	70			16.0	4.8	2.8
LIR1655	3.6	100 $\pm$ 10			16.1	5.5	3.0
LIR3032	3.6	180 $\pm$ 10			30.0	3.2	7.3
LIR3048	3.6	280 $\pm$ 10			30.0	4.8	9.3

Operation Temperature:-20 ~ + 60°C.

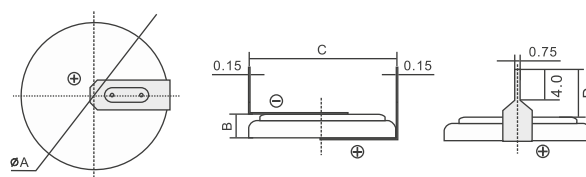


Available Terminals For button batteries

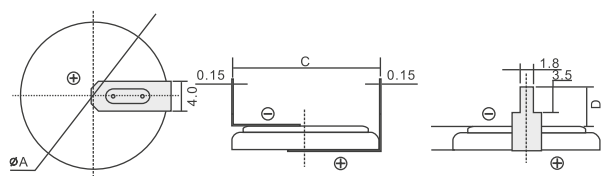
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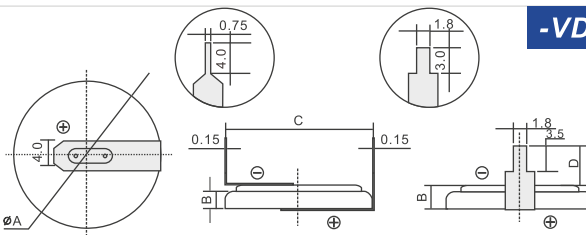
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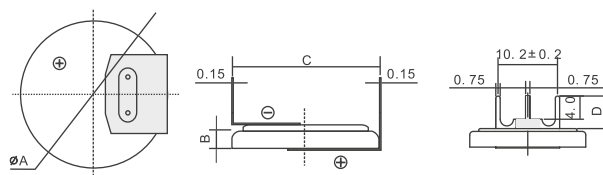
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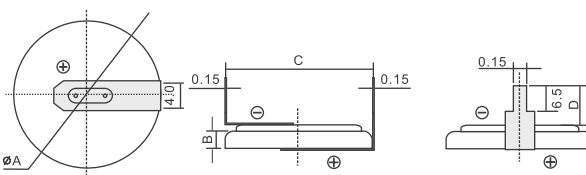
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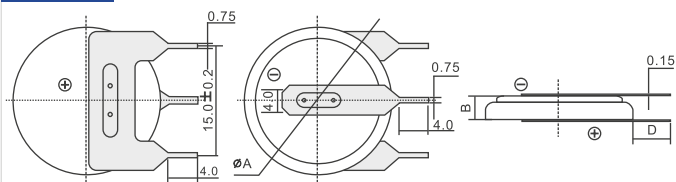
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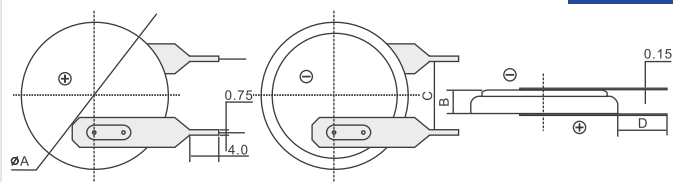
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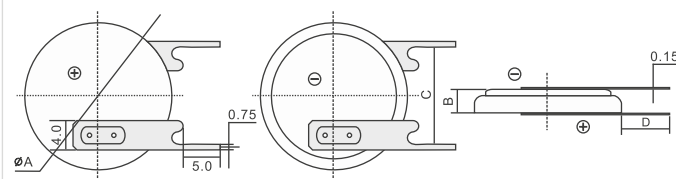
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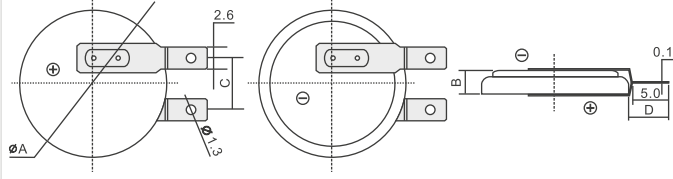
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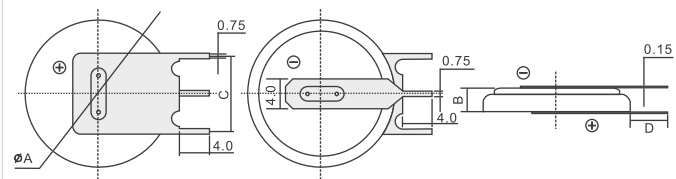
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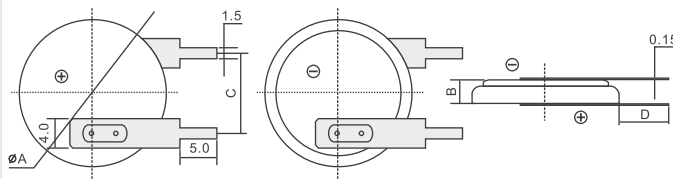
-PDY2



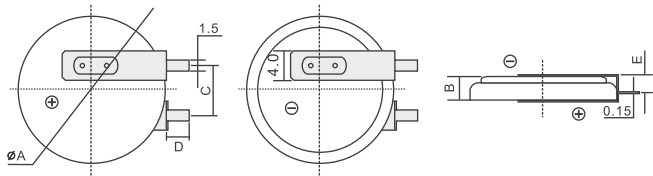
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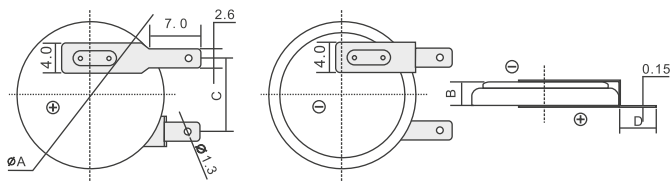
-PFN2



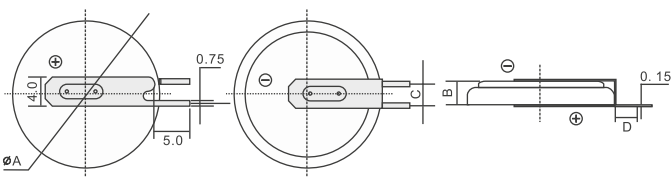
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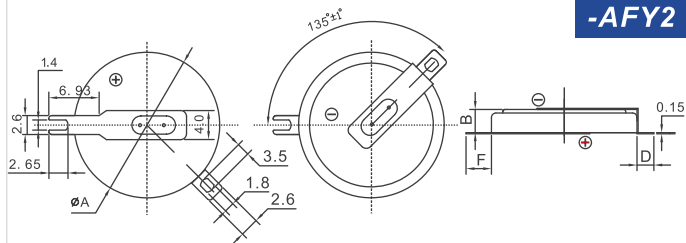
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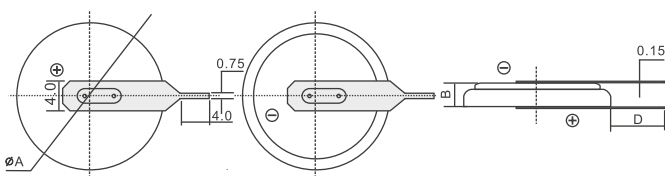
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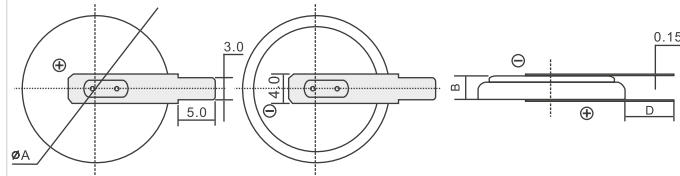
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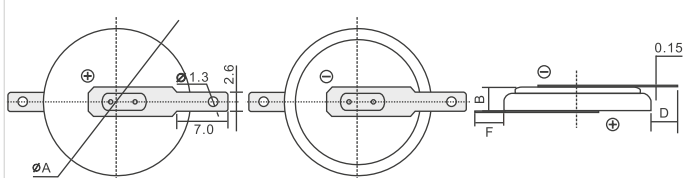
-SAN2



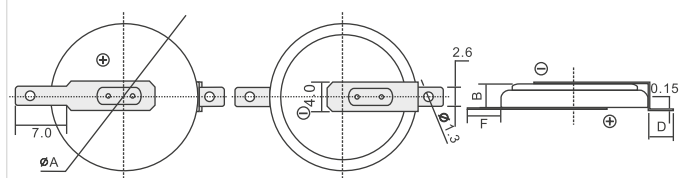
-SBN2



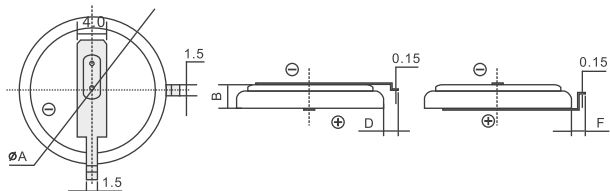
-LAN2



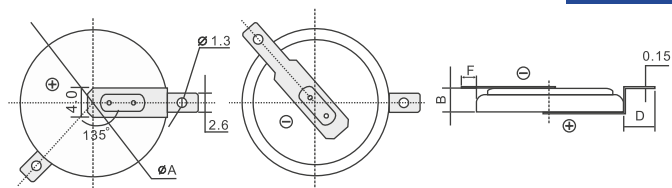
-LBY2



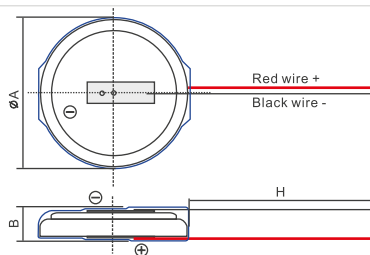
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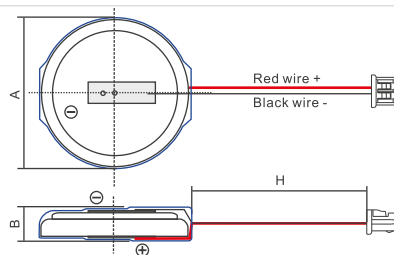
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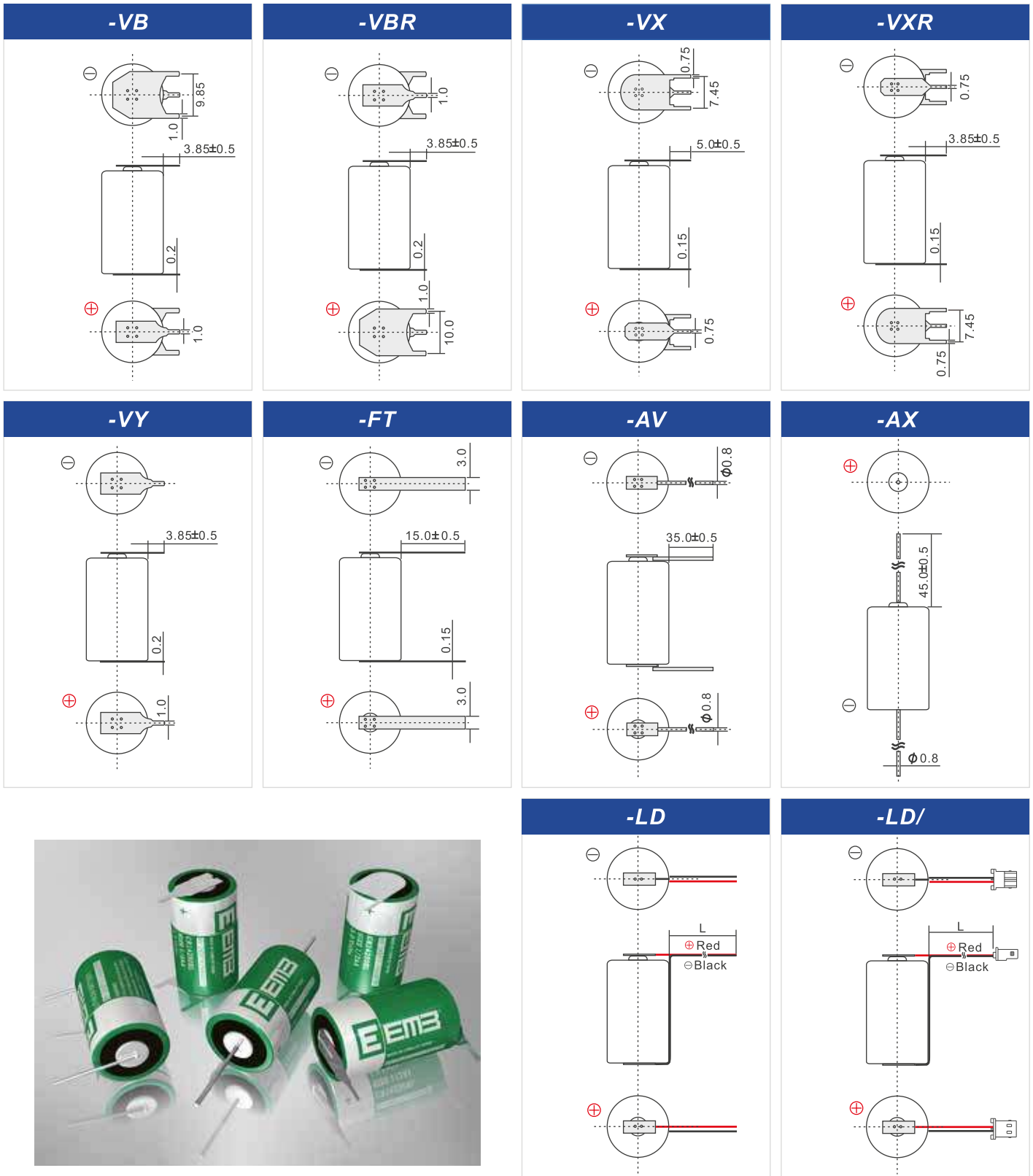
-LD



-LD/



Remark: Customized design is available



Battery Holder



For Button Batteries

BH020 (For CR/LIR2466, 2450)	BH800 (For CR/LIR2032, 2025, 2016)	BH840 (For CR/LIR2032, 2025, 2016)	BH500 (For CR/LIR1216, 1220, 1225)

For Cylindrical Batteries

EH052 (For 3AAA Size)	EH057 (For AA Size with LD)	EH059 (For C Size)	EH068 (For D Size)



Fondata nel 2002 da Dai Jianghua, Fanso è oggi l'azienda più qualificata nella produzione di batterie primarie al litio in Cina, grazie a specialisti e tecnici esperti da oltre 30 anni in questo settore.

Specializzata nella produzione di batterie 3.6V Li-SOCl₂ e 3.0V Li-MnO₂, le batterie Fanso sono principalmente destinate al mercato commerciale LWD&MWD per l'estrazione petrolifera, per manometri elettronici, flussometri, TPMS, contatori intelligenti, circuiti RFID, RAM e CMOS, rilevatori di calore geotermico, ordigni subacquei, sonar, GPS e varie stazioni di forza.

Fanso, premiata come miglior Hi-Tech Company della provincia di Hubei, è un'azienda che si impegna ad innovarsi continuamente per soddisfare le richieste e le esigenze dei consumatori.

Founded in 2002 by Mr. Dai Jianghua, initiator of primary lithium battery in China, Fanso Battery, thanks to experienced specialists and technicians working in this field for over 30 years, is the most qualified manufacturer of primary lithium batteries in China.

Their main products are 3.6V Li-SOCl₂ and 3.0V Li-MnO₂ batteries, and equipped with 16 advanced production lines, they have the capability of 80 million pcs annually.

The batteries are mainly applied to commercial market LWD&MWD for oil exploration, electronic pressure gauge, flow meter, TPMS, smart meters, RFID, RAM and CMOS circuit, geothermal heat detector, underwater ordnance, sonar, GPS and various force stations.

Fanso is ISO9001 certified, is awarded as Hi-Tech Company by Hubei Province and its products are approved by UL, CE, RoHs, UN and many other international standards.

Fanso is engaged in a continuous and constant research of innovation to guarantee the best service to the customers.



Li-MnO₂ 9V



Li-SOCl₂ 9V

Li-SOCl₂ high temperature



Li-SOCl₂ button type



Li-Ion Super Capacitor

- Long life and high pulse
- Stable high current
- variety different temperature
- No voltage delay
- safe and stable
- Low self-discharge rate

Li-SOCl₂ Battery - High Capacity



Key features

- Long shelf life(Self-discharge rate less than 1% at 25 °C)
- High energy density (700wh/kg)
- Long operating life
- Stainless steel container and end caps
- Wide temperature range
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC86-4 safety standard
- Non-restricted for transport
- High and stable operating voltage

Main Applications

- Utility metering
- Alarm and security devices
- Memory back-up power
- Professional electronics
- Real-time clock
- Tracking system
- Military system
- Automotive electronics

Storage

The storage area should be clean, cool (preferably below +20°C , not exceeding +30°C), dry and ventilated.

Model	Size	Max Dimensions (φ mmXmm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity\ Current (mAh\mA)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
ER14250H	1/2AA	φ 14.5X25.2	9	3.6	1200\1.0	20	-55~+85	2.0
ER14335	2/3AA	φ 14.5X33.5	13	3.6	1650\1.0	40	-55~+85	2.0
ER14505H	AA	φ 14.5X50.5	18	3.6	2600\1.0	50	-55~+85	2.0
ER17335	2/3A	φ 17.0X33.5	18	3.6	1900\1.0	50	-55~+85	2.0
ER17505	A	φ 17.0X50.5	24	3.6	3600\2.0	70	-55~+85	2.0
ER18505H	—	φ 18.5X50.5	30	3.6	4000\2.0	70	-55~+85	2.0
ER26500H	C	φ 26.2X50.0	53	3.6	8500\2.0	100	-55~+85	2.0
ER261020H	CC	φ 26.2X102.0	101	3.6	16000\2.0	150	-55~+85	2.0
ER34615H	D	φ 34.2X61.5	103	3.6	19000\2.0	150	-55~+85	2.0
ER341245H	DD	φ 34.2X124.5	200	3.6	36000\10	300	-55~+85	2.0

Warning: Do not recharge, over discharge, short circuit, crush, disassemble , heat above 100°C , incinerate , or expose contents to water.
Dispose of used batteries properly in case of explosion, burn and leakage.

Li-SOCl₂ Battery - High Power



Key features ● Long shelf life(Self-discharge rate less than 1% at 25 °C) ● High energy density (700wh/kg) ● Long operating life
● Stainless steel container and end caps ● Wide temperature range ● Hermetic glass-to-metal sealing ● Non-flammable electrolyte
● Compliant with IEC86-4 safety standard ● Non-restricted for transport ● High and stable operating voltage

Main applications: ● Active RFID tags ● Alarm and security systems ● Smoke detectors ● Memory back-up power ● Medical
● Real-time clock ● Professional electronics

Storage

The storage area should be clean, cool (preferably below +20°C , not exceeding +30°C), dry and ventilated.

Model	Size	Max Dimensions (φmmXmm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity\ Current (mAh\mA)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
ER14250M	1/2AA	φ 14.5X25.2	10	3.6	750\1.0	100	-55~+80	2.0
ER14335M	2/3AA	φ 14.5X33.5	13	3.6	1350\2.0	150	-55~+80	2.0
ER14505M	AA	φ 14.5X50.5	19	3.6	2100\3.0	300	-55~+80	2.0
ER17335M	2/3A	φ 17.0X33.5	19	3.6	1700\3.0	200	-55~+80	2.0
ER17505M	A	φ 17.0X50.5	26	3.6	2800\5.0	400	-55~+80	2.0
ER18505M	—	φ 18.5X50.5	30	3.6	3500\5.0	500	-55~+80	2.0
ER26500M	C	φ 26.2X50.0	57	3.6	6000\10	1000	-55~+80	2.0
ER34615M	D	φ 34.2X61.5	109	3.6	13000\15	1800	-55~+80	2.0

Warning: Do not recharge, over discharge, short circuit, crush, disassemble , heat above 100°C , incinerate , or expose contents to water.
Dispose of used batteries properly in case of explosion, burn and leakage.

Li-SOCl₂ Battery – Coin Types

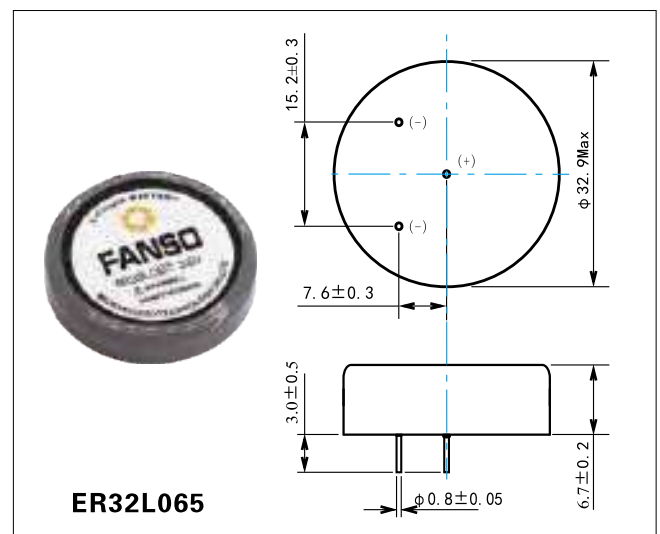
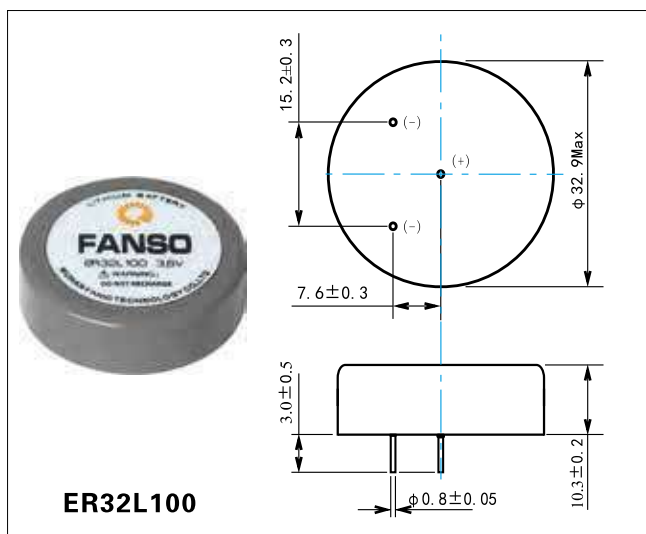
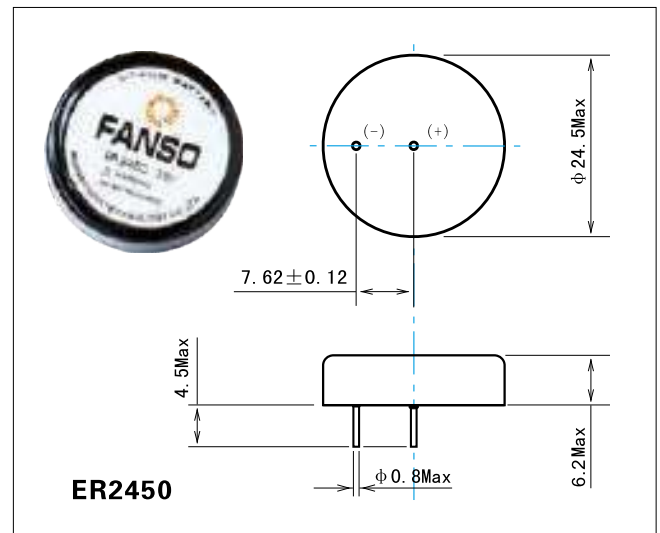
(Operating Temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$)

Key features ● Non-restricted for transport ● Long operating life

- Long shelf life (Self-discharge rate less than 1% at 25 °C)
- Compliant with IEC86-4 safety standard
- Stainless steel container and end caps
- Non-flammable electrolyte ● Wide temperature range
- High and stable operating voltage
- High energy density (700wh/kg)
- Hermetic glass-to-metal sealing

Main Applications

- Utility metering ● Alarm and security devices
- Memory back-up power ● Professional electronics
- Automotive electronics ● Real-time clock ● Tracking system



Model	Size	Max Dimensions (φ mmXmm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity\ Current (mAh\mA)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
Button cells								
ER2450	--	φ 24.5 × 6.2	9	3.6	500 \ 0.5	8	-55~+125	2.0
ER32L065	1/10D	φ 32.9 × 6.9	17	3.6	1000 \ 1.0	20	-55~+125	2.0
ER32L100	1/6D	φ 32.9 × 10.5	24	3.6	1700 \ 1.0	30	-55~+125	2.0



Li-SOCl₂ Battery - High Temperature

FANSO high temperature batteries can operate well in ultra-temperature environment. Discharging platform and capability reach or approach the world's highest level. Equipped with a team of industry specialists

Mainly applied for: downhole storage apparatus, electronic pressure gauge, flow meter, and MWD/LWD/FEWDQ (e.g. APS, GE, HL) in oil field; TPMS; geothermal meter; aerospace, sonar, navigation and radio station for military use.

Model	Size	Max. Dimensions (ϕ mmxHmm)	Nominal Voltage (V)	Nominal Capacity (mAh)	Max. Continuous Discharge Current (mA)	Max. Pulse Current (mA)	Operating Temperature (°C)
ER14250S	1/2AA	14.65X25.2	3.6	700 \ 10	10	50	-20~150
ER14505S	AA	14.65X50.5	3.6	1800 \ 20	50	100	-20~150
ER25500S	C	24.8X50.0	3.6	5000 \ 50	50	100	-20~150
ER251020S	CC	24.8X102.0	3.6	14000 \ 100	100	200	-20~150
ER34615S	D	33.5X61.5	3.6	14000 \ 100	100	200	-20~150
ER341245S	DD	33.5X124.5	3.6	30000 \ 200	100	300	-20~150

There is no specification of high/moderate/low rate battery here. If more information needed, please feel free to contact us.



High Temperature
Li-SOCl₂ Battery Packs



Li-MnO₂ Battery - Cylindrical Shape



Key features: ● High and stable operating voltage ● Low self-discharge rate (less than 2 % at 20 °C)
● Hermetic glass-to-metal sealing ● Compliant with IEC86-4 safety standard
● Nickel-clad steel container ● Non-restricted for transport

Main applications: ● Alarm and security devices ● Smoke detector ● Memory back-up power ● Real-time clock
● Professional electronics ● Medical

Storage: The storage area should be clean, cool(preferably below +20°C , not exceeding +30°C), dry and ventilated.

Model	Size	Max Dimensions (φ mmXmm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity\ Current (mAh\mA)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
CR14250E	1/2AA	14.5X25.2	8.5	3	650\5	250	-40~+70	2.0
CR14505E	AA	14.5X50.5	17	3	1400\5	1000	-40~+70	2.0
CR17335E	2/3A	17.0X33.5	17	3	1500\5	1000	-40~+70	2.0
CR17450E	AG	17.0X45.0	26	3	2200\10	1000	-40~+70	2.0
CR17505E	A	17.0X50.5	30	3	2400\10	1000	-40~+70	2.0
CR26500E	C	26.2X50.5	55	3	5000\10	1000	-40~+70	2.0
CR34615E	D	34.0X61.5	125	3	12000\10	2000	-40~+70	2.0

Model	Size	Max Dimensions (φ mmXmm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity (mAh)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
CR14250H	1/2AA	14.5X25.2	12	3	950	7	-40~+70	2.0
CR14250B	1/2AA	14.5X25.2	12	3	800	7	-40~+70	2.0



Li-MnO₂ 123A Batteries



Model	Size	Max Dimensions (φ mmXmm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity\ Current (mAh\mA)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
CR2		15.5X27.0	13	3	850\5	800	-40~+70	2.0
CR-P2		35X19.5X36	42	6	1500\5	1000	-40~+70	4.0
CR123A		17.0X34.5	16	3	1500\5	1000	-40~+70	2.0
2CR5		34X17X45	39	6	1500\5	1000	-40~+70	4.0

Warning: Do not recharge, over discharge, short circuit, crush, disassemble , heat above 100°C , incinerate , or expose contents to water.
Dispose of used batteries properly in case of explosion, burn and leakage.



Li-MnO₂ Battery - Soft pack

Key features: ● High and stable operating voltage ● Low self-discharge rate (less than 2% at 20 °C) ● Non-restricted for transport
● Hermetic glass-to-metal sealing ● Compliant with IEC86-4 safety standard

Main applications: ● Active RFID tags ● Alarm and security systems ● Smoke detectors ● Memory back-up power ● Medical
● Real time clock ● Professional electronics

Model	Max Dimensions (L) X (W) X (T) (mm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity\ Current (mAh)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
CP223830	30×39×2.2	4	3	350	80	-40~+60	1.8
CP224147	48.3×45.5×2.2	6.5	3	800	200	-40~+60	1.8
CP224348	48×43×2.2	6	3	750	200	-40~+60	1.8
CP305050	51×56.5×3.2	14	3	1600	600	-40~+60	1.8
CP353030	28.5×29×3.5	3	3	350	100	-40~+60	1.8
CP382025	20.5×25×4	3.5	3	350	80	-40~+60	1.8
CP383047	47.5×31×4	9.5	3	1350	400	-40~+60	1.8
CP404147	41×48×4	14	3	1800	600	-40~+60	1.8
CP405050	51×51×4.4	18	3	2400	800	-40~+60	1.8
CP502025	26×20.5×5.2	4	3	450	120	-40~+60	1.8
CP502425	26×24.5×5.2	5.5	3	550	150	-40~+60	1.8
CP502440	41×24.5×5.2	7.5	3	1200	300	-40~+60	1.8
CP502627	26×27×5.2	6.5	3	750	150	-40~+60	1.8
CP503448	35×49×5.2	15	3	2000	600	-40~+60	1.8
CP603448	35×49×6.2	18	3	2300	1000	-40~+60	1.8
CP702440	24.5×50.5×7	11	3	1500	500	-40~+60	1.8
CP754560	60.5×45×7.7	37	3	5000	1500	-40~+60	1.8
CP802432	32.5×24.5×8.2	9	3	1300	400	-40~+60	1.8
CP803665	66×36.5×8.2	38	3	5000	1500	-40~+60	1.8
CP904560	60×45×9.2	43	3	6200	1500	-40~+60	1.8
CP1003550	35.5×49×10.5	33	3	4200	1500	-40~+60	1.8
CP1003742	38×42×10.8	30	3	3800	2000	-40~+60	1.8
CP1004560	47×60×10.2	47	3	7200	2000	-40~+60	1.8
CP1202425	25.5×26×12	7.5	3	1100	300	-40~+60	1.8

Lithium Battery 9V

Key features

- Wide temperature range
- Hermetic glass-to-metal sealing
- Low self-discharge rate less than 1% at 25 °C
- High and stable operating voltage
- Stainless steel container and end caps
- Non-flammable electrolyte
- High energy density
- Compliant with IEC86-4 safety standard
- Long operating life

Main Applications

- Utility metering
- Real-time clock
- Smoke detector
- Professional electronics
- Memory back-up power
- Alarm and security devices

ER9V 1200mAh

- Nominal capacity 1200mAh
(at 1mA, +25°C, 6.0V cut-off)
- Nominal voltage 10.8V
- Max continuous current 15mA
(at +25°C, 6.0V cut-off, up to 50% of nominal capacity)
- Max. pulse current 40mA
100mA/0.1s pulses, drained every 2 minutes at 25°C from 1mA mid-discharged cells with 20μA base current, yield voltage readings above 6V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history.
- Operating temperature range -55°C~+85°C
- Weight Approx. 31g



Model	Max Dimensions (φ mmXmm)	Weight (g)	Nominal Voltage (V)	Nominal Capacity\ Current (mAh\mA)	Max Continuous Discharge Current (mA)	Operating Temperature (°C)	End Voltage (V)
ER9V	49.1X26.8X17.4	31	10.8	1200/1.0	15	-55~+85	6.0V
CP9V	49.5X27.5X18.0	29	9	1200/1.0	120	-40~+60	5.4V
CP9V	48.5x25.7X17.0	28	9	800/1.0	100	-40~+60	5.4V

CP9V 800mAh

Key features:

- High and stable operating voltage
- Low self-discharge rate less than 2% at 20 °C
- Compliant with IEC86-4 safety standard

Main applications

- Utility metering
- Alarm and security devices
- Professional electronics
- Real-time clock
- Memory back-up power
- Smoke detectors

- Nominal capacity 800 mAh
(at 1.0mA +25°C 5.4V cut-off)
- Nominal voltage 9.0V
- Max continuous current 100mA
(At +25°C 5.4V cut-off, up to 50% of nominal capacity)
- Max pulse current 300mA
15 second pulses to 5.4V cut-off,
(drained from half-discharged cells at 1mA 25°C)
- Operating temperature range -40°C~+60°C
- Weight Approx. 28g

CP9V 1200mAh

- Nominal capacity 1200mAh
(at 1.0mA +25°C 5.4V cut-off)
- Nominal voltage 9.0V
- Max continuous current 120mA
(At +25°C 5.4V cut-off, up to 50% of nominal capacity)
- Max pulse current 400mA
15 second pulses to 5.4V cut-off,
(drained from half-discharged cells at 1mA 25°C)
- Operating temperature range -40°C~+60°C
- Weight Approx. 29g



Li-ion Capacitor

FANSO Super Lithium-ion capacitor (SLC) can deliver high pulse and work at a wide temperature range from -40°C to 85°C . Combination consists of long life Li-soc₂ battery and Li-ion capacitor in parallel connection, which is an ideal power source for intelligent meters and other applications requiring high pulse current.

Key features

- Low self-discharge rate
- Excellent performance at high and low temperature
- Excellent high pulse capability
- Minimized passivation effect
- Utilized electric characteristics from both ER batteries and SLC
- High safety and reliability
- Long operating life

Main Applications

- Data collection and recording
- Emergency rescue system
- GPS tracking system
- Radio frequency identification (RFID)
- Remote wireless transmission system
- Communication device
- Intelligent transportation

Model	Max. Charging Voltage/V	Max.Capacity (3.65V) /mAh	Max. Discharge current/mA		End Voltage (V)	ESR /mΩ
			Constant	Pulse		
SLC1016	3.95	12	300	500	3.0	250
SLC1025	3.95	40	1000	2000	3.0	100
SLC1320	3.95	25	2000	3000	3.0	400
SLC1520	3.95	45	500	2000	3.0	150
SLC1550	3.95	170	2000	5000	3.0	100

Model	Dimensions			
	D/mm	p/mm	L/mm	d/mm
SLC1016	10.0 ± 0.5	5.0 ± 0.5	16.0 ± 0.2	0.6 ± 0.05
SLC1025	10.0 ± 0.5	5.0 ± 0.5	25.0 ± 0.2	0.6 ± 0.05
SLC1320	13.1 ± 0.2	5.3 ± 0.5	20.5 ± 0.5	0.8 ± 0.05
SLC1520	15.1 ± 0.1		21.0 ± 0.1	
SLC1550	15.1 ± 0.1		51.0 ± 0.1	



BetterPower Battery Co., è un'azienda con 2000 dipendenti fondata nel 2002 a Shenzhen, leader nella produzione di batterie ricaricabili. Specializzata nella produzione di batterie Ni-MH, Li- Polymer, Li-Ion, Ni-Zn per le più svariate applicazioni come dispositivi elettronici, veicoli elettrici e immagazzinamento di energia solare, BetterPower Battery Co. esporta i suoi prodotti in più di 80 Paesi in tutto il mondo.

BetterPower Battery Co., with 2000 employees, is a company world leader in production of rechargeable batteries established in 2002 in Shenzhen. BetterPower Battery Co. is specialized in production of Ni-MH, Li- Polymer, Li-Ion, Ni-Zn batteries for many different applications, such as electronic devices, electric vehicles and solar energy storage and exports its products in more than 80 countries.



32 acres

It covers an area of 32 acres

28 Years

Technical management team of 28 years
working experience in battery industry

23 Years

23 Years Lithium battery technology

18 Years

18 Years Large battery manufacturer

130 More

More than 130 battery patents

» BPI core competitiveness

- It can support 1 0C continuous fast charging with cycle life of more than 1000 times.
- High reliability, fire probability less than 1 ppm, low pressure leakage less than 1 0ppm.
- Support - 40 °C - 80 °C , support low temperature fast charging.
- The application of nano silicon technology increases the capacity by more than 15%.
- Excellent rate performance, unique electrolyte technology, patented technical structure design.
- New solid state battery, capacity increased by more than 30%, no fire and no leakage.
- High temperature explosion-proof patent won the national invention patent excellent award.
- The newly developed ultra-low self discharge battery can be used in a timely manner after being fully charged and stored at room temperature for 10 years.

LI-ION BATTERY

Bluetooth Headset Battery

18 Years Large battery manufacturer
More than 130 battery patents

Product feature

- Cycle life over 1000 cycles
- Excellent multiplier performance, patented structure design
- It can support 10C continuous fast charging
- Fire probability within 1ppm, low pressure leakage within 10ppm
- Support -40℃ - 80℃ working
- New solid state battery, capacity increase more than 30%



Category	Battery model	Rated capacity (mAh)	Rated voltage(V)	Maximum charging current(mA)	Maximum charging voltage(V)	Continuous discharge current(mA)	Instantaneous discharge current(mA)	Dimension (mm)			Weight (±1.5g)
								L(±2)	W(±1)	T(Max)	
TWS	BPI340822HV	42	3.8	21	4.35	21	42	21.0	8.0	4.7	1.5
	BPI551017HE	45	3.7	22	4.2	23	0	14.0	9.0	5.5	1.5
	BPI470821HE	55	4.2	28	4.2	28	55	21.0	8.0	4.7	1.5
	BPI301418HE	60	3.7	30	4.2	30	60	18.0	14.0	3.0	1.5
	BPI351417HE	72	3.7	36	4.2	36	72	17.0	14.0	3.5	1.7
	BPI421223HE	85	3.7	43	4.2	43	85	23.0	12.0	4.2	2.0
	BPI501620HE	100	3.7	50	4.2	50	100	20.0	16.0	5.0	2.5
	BPI342122HV	140	4.35	70	4.35	70	140	22.0	21.0	3.4	3.1
	BPI551730HE	245	3.7	123	4.2	123	245	30.0	17.0	5.5	5.5
	BPI501340HE	320	3.7	160	4.2	160	320	40.0	13.0	5.0	6.5

For more models, please refer to our product model list.....



Electronic Cigarette Lithium Battery

Product feature

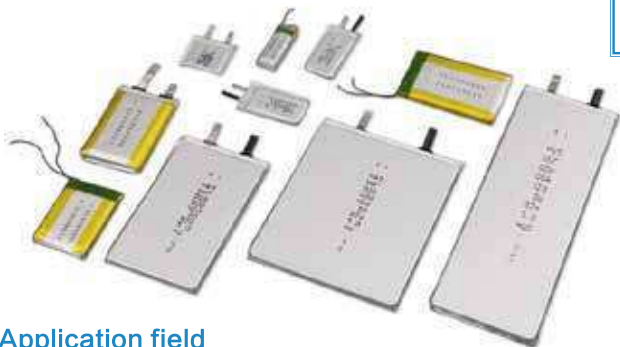
- Cycle life over 1000 times
- Excellent performance, patent structure design
- It can support 10C continuous fast charging
- Fire probability is within 1ppm, and low pressure leakage is within 10ppm
- Support -40℃ ~80℃ working
- New solid state battery, capacity increase more than 30%

Technical management team of 28 years working experience
in battery industry
23 years lithium battery technology



3C Digital Lithium Polymer Battery

Global top brand designated supplier



Application field

- Bluetooth headsets, GPS, e-book, POS machine, mobile phone, tablet computer, smart bracelet, mobile power, walkie talkie, LED light, personal care and other rechargeable devices.





High Temperature Lithium Polymer Battery



80 °C high temperature discharge efficiency over 98%, the industry's advanced level

Product feature

- Good high temperature performance, discharge efficiency up to 97.6% at 80 °C typical At the same time, it has 86.2% low temperature discharge efficiency at -10 °C .

Application field

- Widely used in devices with high temperature environment, such as vehicle GPS, MWD in petroleum industry, oil and gas monitoring, oil downhole monitoring, outdoor exploring, etc.

No	Model	Capacity (mAh)	Thickness (mm)	Width (mm)	Height (mm)	Internal Resistance (mΩ)	Voltage (V)
1	303450H	500	3.00	34.00	50.30	90	3.7
3	353769H	850	3.50	37.00	69.00	80	3.7
4	503946H	850	5.00	39.50	47.00	70	3.7
5	753436H	1000	7.55	34.00	36.00	80	3.7
6	103450H	1000	10.00	34.50	50.50	80	3.7
7	803545H	1150	8.10	35.00	45.00	80	3.7
8	903450H	1200	9.20	34.00	50.50	60	3.7
9	602699H	1300	6.00	26.00	99.00	60	3.7
10	604255H	1350	6.00	42.00	55.00	60	3.7
11	405070H	1350	4.00	50.00	70.00	60	3.7
12	505070H	1500	5.00	50.00	70.50	60	3.7
13	7053103H	5000	7.20	53.00	103.00	50	3.7
14	904947H	2200	9.00	49.00	47.30	50	3.7
15	805360H	3000	8.00	53.50	60.50	60	3.7
16	626598H	5000	6.20	65.00	98.00	25	3.7

For more models, please refer to our product model list.....



Ultra Low Temperature Lithium Polymer Battery

0.5C discharge efficiency is above 80% under -40°C , applicable to extreme cold environments



Product feature

- The discharge capacity of 0.5c at -40°C is more than 80% of the initial capacity.

Application field

- Armed forces, aviation, aerospace, deepsea snorkeling equipment power supply, polar expedition, adventure equipment power supply, frigid rescue, disaster relief power supply, winter clothes, cold proof shoes, power lights, etc.

High Voltage Fast Charging Lithium Polymer Battery

4.4V high voltage, volume specific energy up to 620wh/L, 3C fast charging, 30min full charged

Product feature

- Fast charging capacity up to 3C multiplier, high energy density and good safety (passed UL, UN38.3 and other safety test)

Application field

- Smart phones, tablets, laptops, power bank and other devices.



BPI Lithium Rechargeable Battery Popular

Category	Battery Type	No.	Model	Typical Capacity	Min. Capacity	Nominal Voltage	Discharge current
				mAh	mAh	(V)	
E-cigarette	Prismatic Li-Polymer	1	751340	320	300	3,7	3A
		2	501447	300	280	3,7	3A
		3	651340	280	260	3,7	3A
		4	451645	250	240	3,7	3A
		5	111730	470	450	3,7	3A
		6	801437	370	350	3,7	2A
		7	471540	270	250	3,7	3A
		8	651740	400	380	3,7	3A
		9	801637	480	450	3,7	3A
		10	701435	310	300	3,7	2A
		11	701240	280	265	3,7	3A
		12	501245	255	240	3,7	3A
		13	501653	420	400	3,7	2A
		14	601335	220	210	3,7	3A
		15	501747	370	350	3,7	3A
Bluetooth / TWS headset	Button cell	1	12540	60	55	3,7	1.0C
		2	10540	40	35	3,7	1.0C
		3	11540	45	40	3,7	1.0C
		4	14540	85	80	3,7	1.0C
	Prismatic Li-Polymer	1	521133	160	145	3,7	2.0C
		2	551135	150	140	3,7	1.0C
		3	602540	580	550	3,7	1.0C
		4	451031	125	110	3,7	1.0C
		5	501012	55	50	3,7	1.0C
		6	601115	53	50	3,7	1.0C
		7	471036	135	125	3,7	1.0C
		8	551113	45	40	3,8	1.0C
		9	541112	43	40	3,7	1.0C

Size (mm) max			Internal	Special remark	Certificates				
	Width	Height	(mohm)		UL1642	UL2054	UN38.3	IEC62133	KC
7,5	13,0	39,5	60		√		√		
5,2	14,0	45,5	70		√		√		
6,5	13,5	39,5	70		√		√		
4,5	16,5	46,0	80		√				
11,0	17,0	30,0	70		√				
8,0	14,5	36,0	60				√		
4,7	15,5	40,5	70				√		
6,5	17,5	40,5	60				√		
8,3	16,1	37,0	60				√		
7,0	14,5	36,0	60						
7,0	12,5	40,5	70						
5,1	12,0	45,0	70						
5,2	16,5	53,0	60						
6,2	13,0	35,0	80						
5,0	17,5	47,5	60						
5,4	12,5		500		√		√	√	
5,4	10,5		600		√		√	√	
5,4	11,5		600		√		√	√	
5,4	14,5		400		√		√	√	
5,2	11,0	33,0	300		√	√	√	√	
5,4	11,0	33,0	200		√		√	√	√
6,2	25,0	38,0	90		√	√	√	√	√
4,4	10,0	29,5	200		√			√	√
5,0	10,0	15,0	500		√				
6,0	11,0	15,0	500		√				
4,7	10,3	36,0	200				√	√	√
5,8	11,0	12,0	600	High Voltage	√				
5,4	11,5	12,5	500						

Category	Battery Type	No.	Model	Typical Capacity	Min. Capacity	Nominal Voltage	Discharge current
				mAh	mAh	(V)	
		10	651214	73	68	3,7	1.0C
		11	401015	40	37	3,7	1.0C
		12	401020	55	50	3,7	1.0C
		13	401025	75	70	3,7	1.0C
		14	381518	85	80	3,7	1.0C
		15	450912	30	26	3,7	1.0C
3C Consumer electronic devices	Prismatic Li-Polymer	1	503035	540	500	3,7	1.0C
		2	503450	1000	950	3,7	1.0C
		3	105050	3350	3250	3,8	1.0C
		4	802272	1050	1000	3,7	3A
		5	853343	1480	1420	3,7	1.0C
		6	703450	1150	1100	3,7	1.0C
		7	103952	2100	2000	3,7	1.0C
		8	631965	850	800	3,7	1.0C
		9	103450	2000	1900	3,7	1.0C
		10	502030	280	250	3,7	1.0C
		11	301523	65	60	3,7	1.0C
		12	602040	450	435	3,7	1.0C
		13	602025	250	230	3,7	1.0C
		14	851819	200	180	3,7	4.0C
		15	743041	950	900	3,7	1.0C

Size (mm) max			Internal	Special remark	Certificates				
	Width	Height	(mohm)		UL1642	UL2054	UN38.3	IEC62133	KC
6,5	12,0	14,0	300						
4,0	10,0	15,0	600						
4,0	10,0	20,0	500						
4,0	10,0	25,0	400						
3,8	15,0	18,0	300						
4,5	9,0	12,0	600						
5,0	30,0	35,0	80		√		√	√	
5,0	34,0	50,0	70		√		√	√	
10,0	50,0	50,0	50	High Voltage	√	√	√	√	
7,8	21,5	69,0	60		√	√	√	√	
8,5	33,0	42,5	80		√		√	√	√
7,0	34,0	50,0	50		√		√	√	
9,8	38,5	50,0	50		√		√	√	
6,3	19,0	65,5	90		√		√	√	
10,0	34,0	50,0	50		√		√	√	√
5,0	20,0	30,0	130		√		√	√	
3,0	15,0	23,0	600		√		√	√	
6,0	20,0	40,0	100		√		√	√	
6,0	20,0	25,0	130		√		√	√	
8,5	18,0	19,0	150		√		√	√	
7,4	29,5	40,5	50		√		√	√	√

BPI® 倍特力

NI-MH BATTERY



Low Self-Discharge Ni-MH Battery



80%

Electric charge will be over than 80% after 2 years storage.

1.2v

The battery voltage can be kept above 1.2v after use up without charge for 1 year.

70%

The charge retention rate can be kept above 70% during storage for 30days at 60 degree.

Application field

- Game pad, cordless phone, remote controller, electronic toy, lamps, shaver, electric toothbrush, electric clock, etc. Outstanding performance would occur when it's used in digital products like MP3, MP4, digital camera, etc.

High Capacity Ni-MH Battery

**AA
2800
mAh**

The highest real capacity AA2800mAh in the world.

**AA
1100
mAh**

The highest real capacity AAA1100mAh in the world.

**No explosion
low
short circuit**

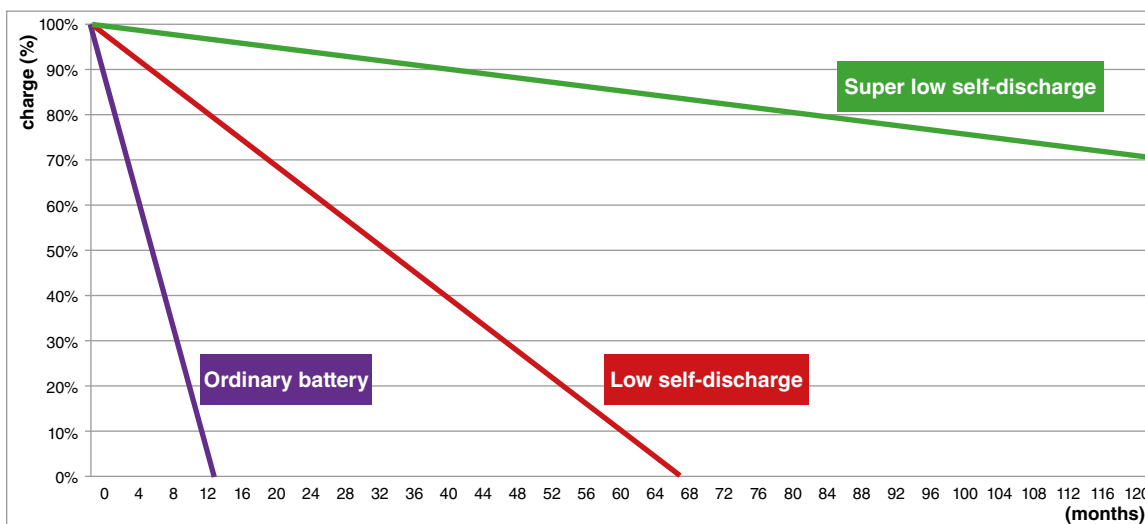
Adopt the Japan SANYO's steel belt technology and edge-scraping technology of Negative electrode no explosion, lower short circuit and longer cycle life.



The Unique Super Low Self-Discharge Ni-MH battery in China

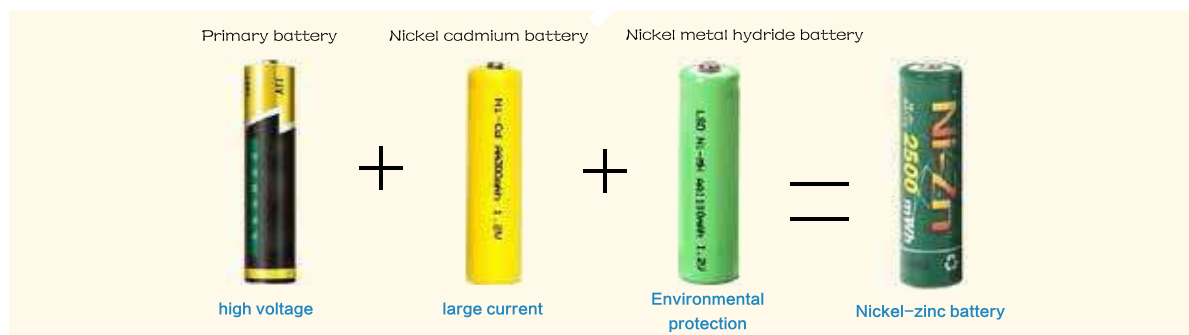
- ◆ New user experience, let you move at any time, full of vitality, no trouble of power failure;
- ◆ A good helper for mine emergency and disaster relief to increase life support at any time;
- ◆ A good substitute of primary alkaline battery, more economical and environmental protection;
- ◆ Save the earth, escort life!

BPI super low self-discharge battery keep 70% charge intension ratio after 10 years, and Ni-MH battery is a revolutionary breakthrough



Charge retention rate of 10 years storage at room temperature (20 °C)

Nickel-Zinc Cell



Product feature

- High voltage: the discharge platform is 1.6V, 0.4V higher than Ni-CD and Ni-MH battery.
- High energy: 50% higher than the same capacity of Ni-CD and Ni-MH battery.
- High Cost-Performance product: 4pcs Ni-MH or Ni-CD batteries in 1 series, with 4.8V voltage, could be replaced by 3pcs Ni-Zn batteries in 1 series. Cost saves.

The 5th generation rechargeable battery, primary battery Terminator

BPI® 倍特力

BATTERY PACK



18650 Cylindrical Lithium ion Battery

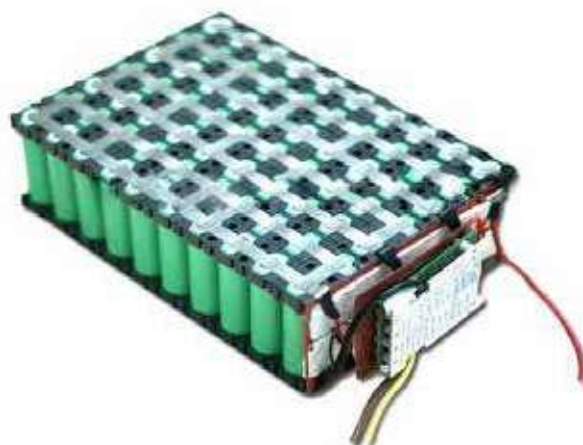
Product feature

- It can be used to pack batteries of different sizes in simple and orderly way.
- Low internal resistance; high voltage; no memory effect.
- High safety performance; 18650 lithium battery pack has high safety performance, no explosion, no combustion and no toxicity.
- No pollution, ROHS trademark certification, all kinds of safety performance in one go, large number of cycles over 500 times; good high temperature resistance.
- The cycle life is better, 70–80% of them are still over 500 times, twice as long as that of ordinary batteries.



Application field

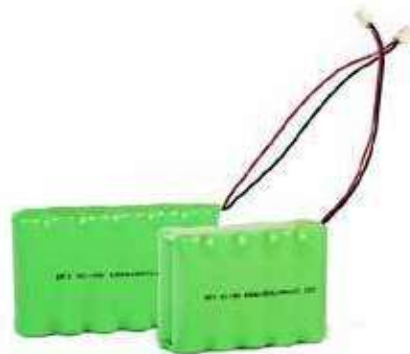
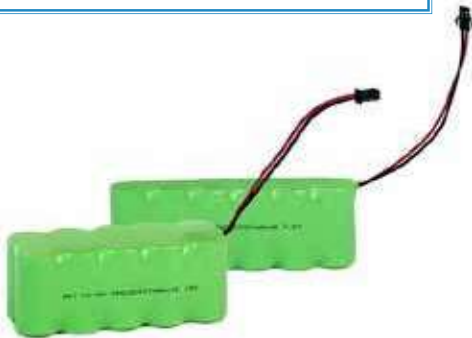
- Vacuum cleaner, intelligent robot sweeper, personal care, Bluetooth headsets, standby power supply, emergency lights, solar lights, walkie talkies, cordless phones, toys and other rechargeable portable electrical equipment.



High / Low Temperature Ni-MH Battery

A good substitute for high temperature nickel cadmium battery in severe environment of 90 °C

More than 40% of negative 40 °C discharge efficiency has been used in aerospace and military equipment



Product feature

- High temperature Ni-MH battery can charge and discharge at 90 °C and the efficiency can be more than 60%; low temperature Ni-MH battery can discharge at - 30 °C and 40%.

Application field

- Emergency power supply, mine standby power supply, reserve power supply, etc.

Industrial Supporting Ni-MH Battery

Low cost and self discharge performance of general battery with semi low self discharge technology

Product feature

- Semi low self discharge technology is adopted to ensure long-term storage of the batteryPerformance;
- Continuous pole piece production equipment ensures pole piece consistency and The comprehensive performance of batch battery is also discussed;
- U-shaped assembly line, effectively reducing the electrode and electrolyte in the air Exposure time to prevent low pressure;
- Adopt advanced intelligent instruments for capacity sorting to ensure every single unit Consistency of battery capacity.



14500 Lithium iron Phosphate Battery

Product feature

- High working voltage
- Good safety performance
- High energy density
- Low self discharge rate
- Long cycle life
- No memory effect

Application field

- Vacuum cleaner,intelligent robot sweeper,personal care,Bluetooth headsets, standby power supply, emergency lights, solar lights, walkie talkies, cordless phones, toys and other rechargeable portable electrical equipment.





ChangZhou YuFeng Electrical Co., fondata nel 2001, è un'azienda di 26000m2 e con oltre 300 dipendenti specializzata nella produzione e distribuzione di batterie primarie al litio 3V. Basata sui tre valori di "Lungimiranza, Innovazione e Responsabilità" e sempre attenta alle ultime innovazioni tecnologiche, ChangZhou YuFeng ad oggi produce più di 20 modelli di batterie per un totale annuale di più di 400 milioni di pezzi. Le batterie ChangZhou YuFeng sono utilizzate con grandi riconoscimenti in svariati settori come quello dell'illuminazione e dell'automotive.

Founded in 2001 and covering an area of 26000 m2 with more than 300 employees, ChangZhou YuFeng Electrical Co. is specialized in production and distribution of 3V primary lithium battery. ChangZhou YuFeng adheres to the three key values of "Foresight, Innovation, Responsibility" and it is a high-tech company that produce more than 20 models of lithium coin cells, with annual output of more than 400 million pcs. The ChangZhou YuFeng battery are used with widespread recognition in various applications such as lighting and automotive.

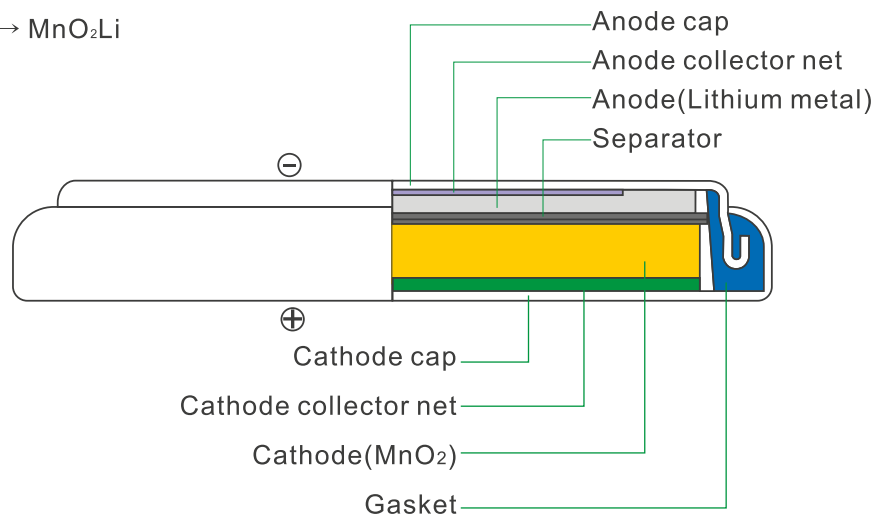


Lithium Manganese Dioxide Button Cell

Positive reaction: $\text{MnO}_2 + \text{Li}^+ + \text{e}^- \rightarrow \text{MnO}_2\text{Li}$

Negative reaction: $\text{Li} \rightarrow \text{Li}^+ + \text{e}^-$

Total reaction: $\text{MnO}_2 + \text{Li} \rightarrow \text{MnO}_2\text{Li}$



Apply to:

- motherboard
- notebook PC
- industrial product
- 3C product
- remote controller
- toy
- varied equipment



Model	Nominal Voltage	Nominal Capacity	Recommended Continuous Drain		Dimensions		Weight
			High-drain Pulse	Continuous Standard Drain	Dia.	Height	
CR927	3.0 V	32 mAh	3 mA	0.1 mA	9.5 mm	2.7 mm	0.7 g
CR1025	3.0 V	30 mAh	5 mA	0.1 mA	10.5 mm	2.5 mm	0.8 g
CR1130	3.0 V	40 mAh	5 mA	0.1 mA	11.6 mm	3.0 mm	1.0 g
CR1212	3.0 V	20 mAh	5 mA	0.1 mA	12.5 mm	1.2 mm	0.6 g
CR1216	3.0 V	24 mAh	5 mA	0.1 mA	12.5 mm	1.6 mm	0.7 g
CR1220	3.0 V	36 mAh	5 mA	0.1 mA	12.5 mm	2.0 mm	0.8 g
CR1225	3.0 V	50 mAh	5 mA	0.1 mA	12.5 mm	2.5 mm	0.9 g
CR1616	3.0 V	55 mAh	10 mA	0.1 mA	16.0 mm	1.6 mm	1.2 g
CR1620	3.0 V	70 mAh	10 mA	0.1 mA	16.0 mm	2.0 mm	1.3 g
CR1625	3.0 V	85 mAh	10 mA	0.1 mA	16.0 mm	2.5 mm	1.8 g
CR1632	3.0 V	125 mAh	10 mA	0.1 mA	16.0 mm	3.2 mm	2.3 g
CR2016	3.0 V	90 mAh	20 mA	0.1 mA	20.0 mm	1.6 mm	1.7 g
CR2025	3.0 V	170 mAh	17 mA	0.2 mA	20.0 mm	2.5 mm	2.4 g
CR2032	3.0 V	220 mAh	16 mA	0.2 mA	20.0 mm	3.2 mm	3.0 g
CR2330	3.0 V	250 mAh	20 mA	0.2 mA	23.0 mm	3.0 mm	4.0 g
CR2354	3.0 V	560 mAh	20 mA	0.2 mA	23.0 mm	5.4 mm	5.8 g
CR2430	3.0 V	300 mAh	23 mA	0.2 mA	24.5 mm	3.0 mm	4.5 g
CR2450	3.0 V	600 mAh	20 mA	0.2 mA	24.5 mm	5.0 mm	6.5 g
CR2477	3.0 V	1000 mAh	20 mA	0.2 mA	24.5 mm	7.7 mm	9.5 g
CR3032	3.0 V	550 mAh	25 mA	0.2 mA	30.0 mm	3.2 mm	6.8 g

NOTE/NOTES

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Capitale Sociale: 2.000.000 i.v.

Registro Pile: IT19040P00005244