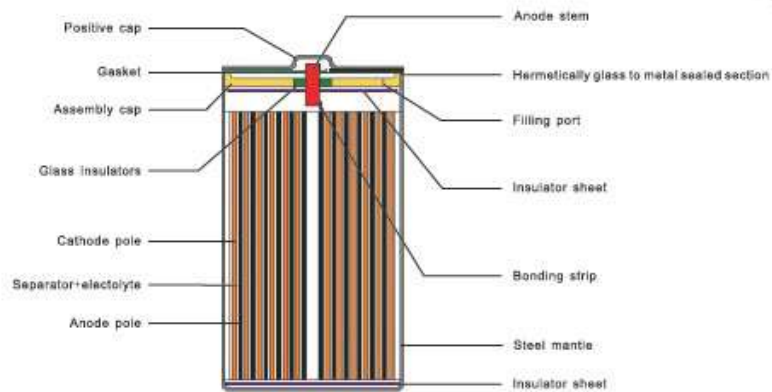


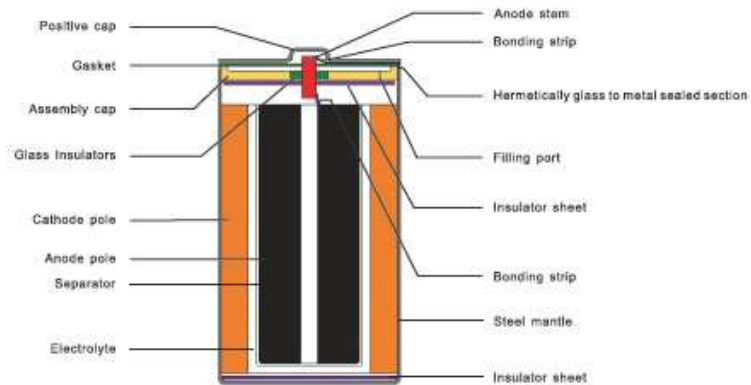
Li-MnO₂ Cylindrical Battery

CELL CONSTRUCTIONS HERMETICALLY GLASS TO METAL SEALED

High power type



High Capacity Type



APPLICATIONS

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

MAIN FEATURES

- ▶ High Voltage: 3.0V per cell.
- ▶ High power type is spiral structure and best suit for high current discharge. High capacity type is bobbin structure and best suit for low current discharge
- ▶ Low self-discharge rate and long life.
- ▶ Operational temperature range:
Hermetically glass to metal sealed type: -40°C to +85°C
Consult EEMB when using batteries at temperatures beyond the -20°C to +60°C range.
- ▶ Stable discharge characteristics.
- ▶ Superior leakage resistance.

EEMB BATTERY



High Power Spiral Structure

Model	Size	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Max. Discharge Current(mA)		Diameter (mm)	Height (mm)	Approx. Weight(g)
					Conts.	Pulse			
CR14250SL	1/2AA	3.0	650	1.0	800	1500	14.5	25.0	10.0
CR14335SL	2/3AA	3.0	900	1.0	1000	2000	14.5	33.5	14.0
CR14505SL	AA	3.0	1500	1.0	2000	3000	14.5	50.5	21.0
CR2SL	—	3.0	800	5.0	1000	2000	15.5	27.0	13.0
CR123ASL	—	3.0	1500	1.0	1000	3000	17.0	33.5	20.0
CR17285SL	—	3.0	1000	10.0	800	1500	17.0	28.5	16.0
CR17335SL	2/3A	3.0	1500	1.0	1000	3000	17.0	33.5	20.0
CR17450SL	—	3.0	2200	1.0	1500	3500	17.0	45.0	26.0
CR17505SL	A	3.0	2500	10.0	1500	3500	17.0	50.5	30.0
CR18505SL	—	3.0	2800	1.0	2000	3000	18.5	50.5	35.0
CR20505SL	—	3.0	2800	10.0	2000	3000	20.0	50.0	35.0
CR26500SL	C	3.0	5000	10.0	2000	3000	26.0	50.5	62.0
CR26600SL	—	3.0	6000	10.0	1500	3000	26.0	60.0	78.0
CR34615SL	D	3.0	10000	10.0	2000	3000	34.0	61.5	125.0
2CR5SL	—	6.0	1500	1.0	1500	3500	34.0X17.0X45.0		43.0
CR-P2SL	—	6.0	1500	1.0	1500	3500	35.8X19.5X34.8		42.0

※ See page 13 for available terminals and page 14 for holders.



High Capacity Bobbin Structure

Model	Size	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Max. Discharge Current(mA)		Diameter (mm)	Height (mm)	Approx. Weight(g)
					Conts.	Pulse			
CR10450BL	—	3.0	850	0.5	10	100	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	0.5	10	100	14.5	50.5	22.0
CR17335BL	2/3A	3.0	1800	1.0	10	100	17.0	33.5	22.0
CR17450BL	—	3.0	2400	1.0	15	150	17.0	45.0	28.0

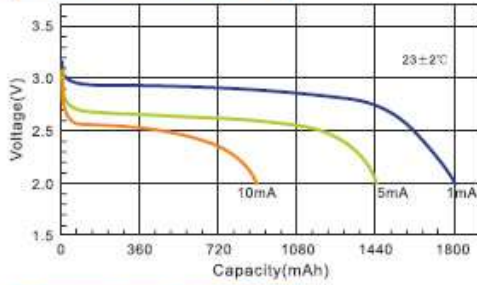
※ See page 13 for available terminals and page 14 for holders.

ELECTRICAL PERFORMANCE CHARACTERISTICS

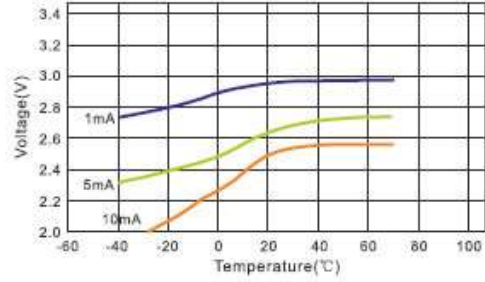
High Capacity Type

(For CR14505BL Typical)

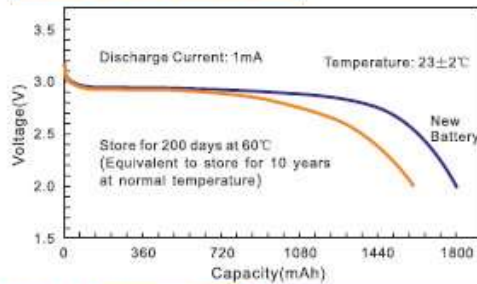
Discharge Characteristics



Voltage Vs. Temperature Characteristics



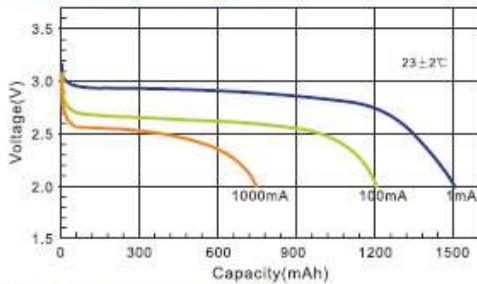
New Battery Vs. Stock Battery



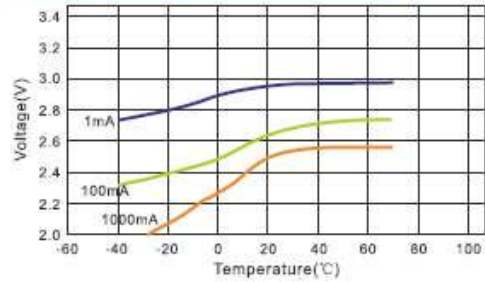
High Power Type

(For CR14505SL Typical)

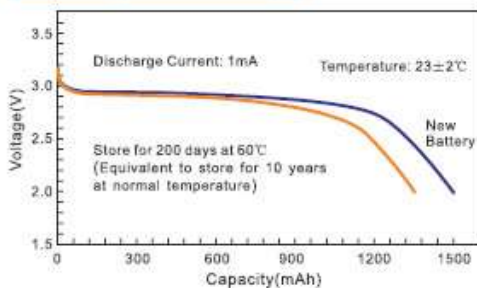
Discharge Characteristics



Voltage Vs. Temperature Characteristics



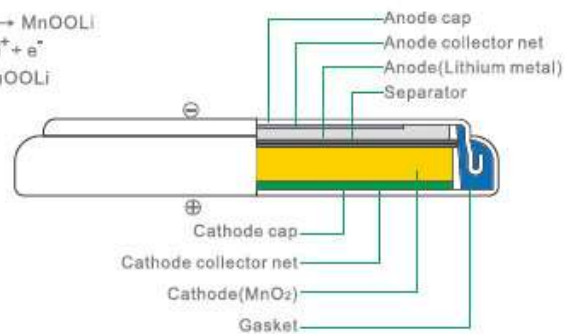
New Battery Vs. Stock Battery



Li-MnO₂ Button Battery

CELL CONSTRUCTIONS

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



MAIN FEATURES

- ▼ Low self-discharge rate and long life.
Self-discharge rate: less than 2% per year at room temperature.
- ▼ Stable discharge characteristics.
- ▼ Superior high-rate pulse discharge characteristics.
- ▼ Applicable in a wide temperature range.
Operational temperature range: -20°C to +60°C
Consult EEMB when using batteries at temperature beyond the -20°C to +60°C range.
- ▼ Superior leakage resistance.

APPLICATIONS

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





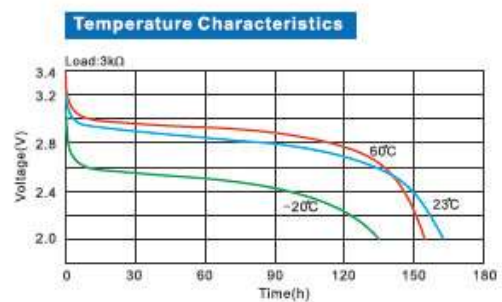
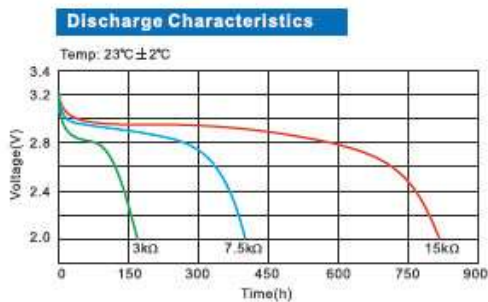
Product Specification

Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Standard Discharge Current (mA)	Diameter (mm)	Height (mm)	Approx. Weight(g)
CR1025	3.0	30	0.1	10.0	2.5	0.6
CR1216	3.0	25	0.2	12.5	1.6	0.7
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	0.2	16.0	1.6	1.2
CR1620	3.0	70	0.4	16.0	2.0	1.3
CR1632	3.0	120	0.4	16.0	3.2	1.6
CR2016	3.0	75	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
CR2325	3.0					
CR2330	3.0	260	0.4	23.0	3.0	4.0
CR2335	3.0	300		23.0	3.5	4.2
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
CR2477T	3.0	1000	0.2	24.5	7.7	9.5
CR3032	3.0	500	0.4	30.0	3.2	6.8

※ See page 11-12 for available terminals and page 14 for holders .

ELECTRICAL PERFORMANCE CURVE

(For CR2025 Typical)

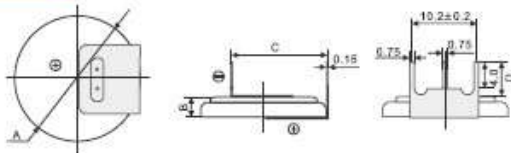
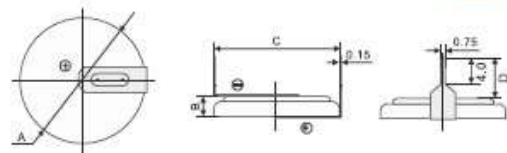
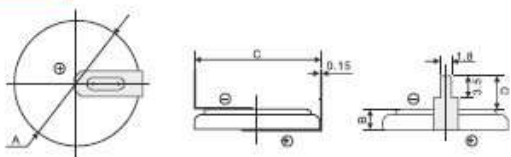
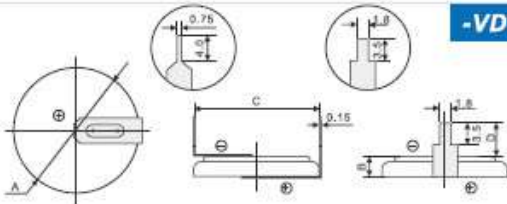
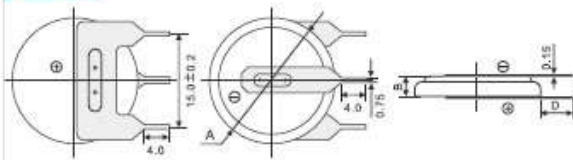
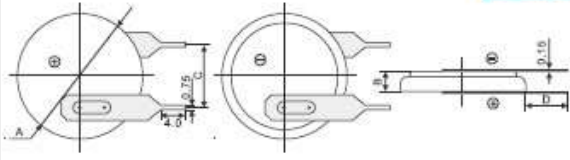
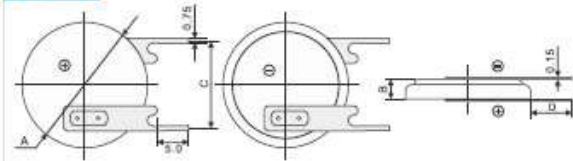
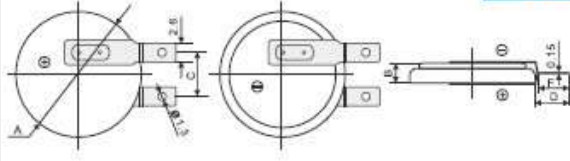
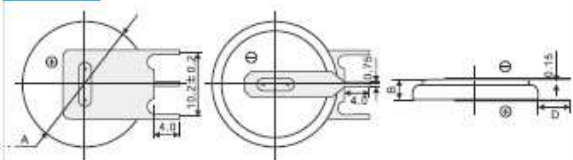
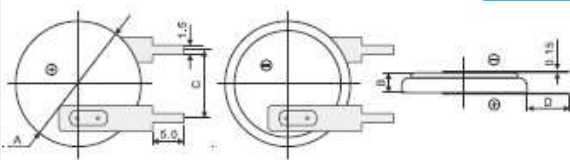


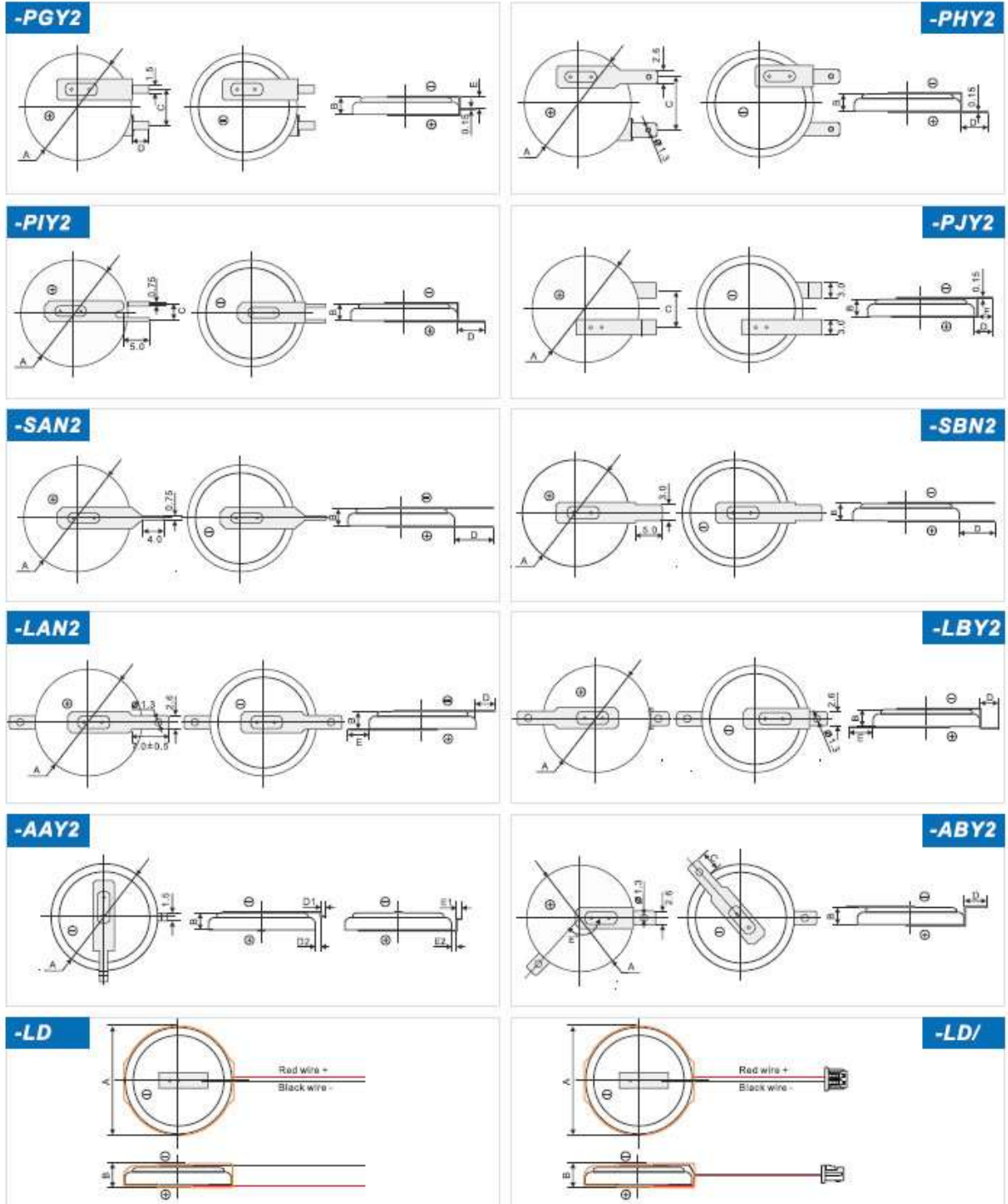
EEMB BATTERY



Available Terminals

For button battery

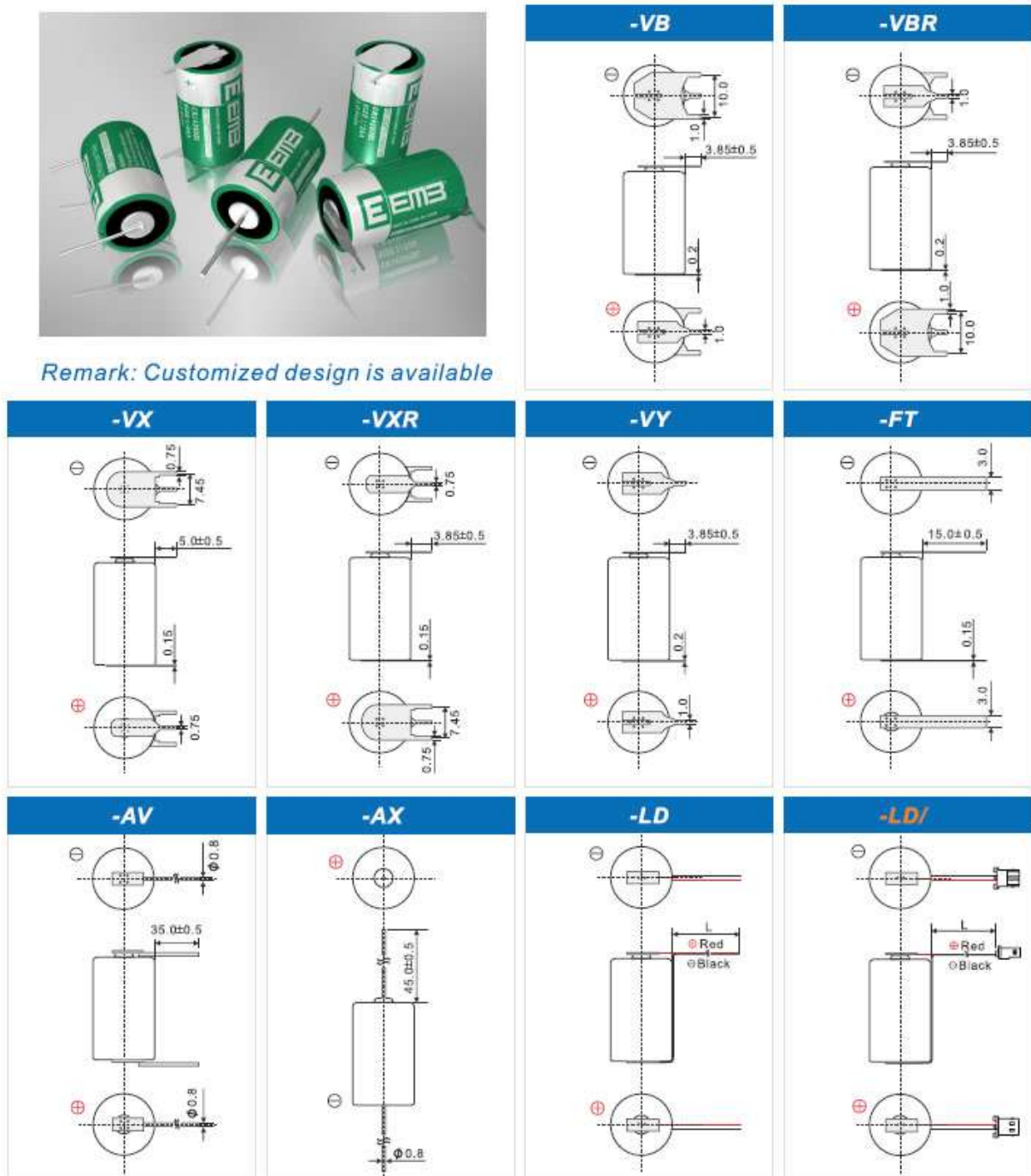
-VAY3**-VBY2****-VCY2****-VDY2****-PAN3****-PBN2****-PCN2****-PDY2****-PEN3****-PFN2**



EEMB BATTERY

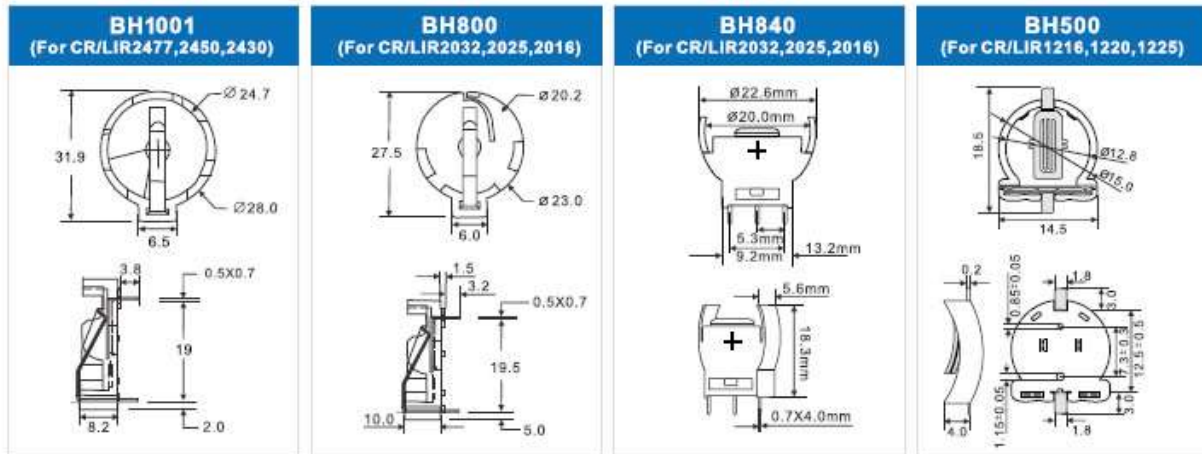


Remark: Customized design is available





For Button Batteries



For Cylindrical Batteries

