

PRIMARY BATTERY / ER 3.6V**Li/SOCI2 Battery**

1. High energy density (620Wh/Kg);
2. High open circuit voltage (3.66V for single cell);
3. Wide range of operating temperature (-55°C~+85°C).

STANDARD TYPE**ER batteries' shapes**

Button, cylindrical and square shapes are available for your choice.

Application:

CMOS memory chips for PC, office automation devices, remote data logging and data acquisition systems, medical instruments, water or gas gauges, security and alarm systems pulse-/event-counters, various industrial clocks, high temperature systems etc.

Feature:

(1) high energy density up to 420WH/Kg(800WH/dm³). (2) High operation voltage, 3.3V~3.6V upon loading resistance. (3) Long storage life, less than 2% of self-discharging rate per year, could be stored for 10~15 year at room temperature. (4) Non-magnetic stainless steel case, hermetically sealed. Be safe for transportation and general shock. No leakage problem. Due to the characteristics of Li-SOCI2 battery, there are three basic type:

Li-SOCI2 battery Caution :

- (1) Do not make the battery short-circuit and do not try to charge it.
- (2) Do not over-discharge , press or burn the battery.
- (3) The battery should be removed from the instrument on time when finishing discharging.
- (4) The battery should be buried deeply in earth .
- (5) Do not try to solder directly on battery.
- (6) The high temperature type Li-soc12 battery can not be used at environment above +160

ENERGY TYPE BATTERY

- (1). Bobbin Type, high capacity, shelf life is ten years;
- (2). Wide operating temperature range, -55 °C~+85°C.
- (2). Smooth voltage level, 90% capacity could be outputted at high level.

Type		Nominal capacity	Nominal voltage	Operating current mA(max)		Standard discharge	Cut off voltage	Dimension mm(max)		weight
GB	IEC	mAh	V	continuous	pulse	current mA	V	dia.	H	g
ER9V1200	.	1200	9.0	35	100	0.5	5.4	48.8*26*16.9		40
ER10250	1/2AAA	400	3.6	5	10	0.5	2.0	10.4	25.0	3.8
ER10450	AAA	750	3.6	15	50	1.0	2.0	10.3	45.0	8
ER14200		600	3.6	10	15	1.0	2.0	14.5	20.0	8
ER14250	1/2AA	1200	3.6	25	100	1.0	2.0	14.5	25.0	10
ER14335	2/3AA	1650	3.6	50	100	1.0	2.0	14.5	33.5	13
ER14505	AA	2400	3.6	70	150	1.0	2.0	14.5	50.5	19
ER17250		1000	3.6	100	200	1.0	2.0	17.0	25.0	12
ER17335	2/3A	1900	3.6	100	200	0.5	2.0	17.0	33.5	19
ER17450		3000	3.6	100	200	3.0	2.0	17.0	45.0	25
ER17505	A	3400	3.6	120	200	2.0	2.0	17.0	50.5	27
ER18505		4000	3.6	100	200	3.0	2.0	18.5	50.5	31
ER26250	1/2C	3000	3.6	30	200	1.0	2.0	26.2	25.0	26
ER26500	C	8500	3.6	150	300	2.0	2.0	26.2	50.0	55
ER261020	CC	15000	3.6	100	400	1.0	2.0	26.2	102.0	100
ER34615	D	19000	3.6	230	400	2.0	2.0	34.2	61.5	102
ER341245	DD	36000	3.6	200	400	3.0	2.0	34.0	124.5	200
ER10280		450	3.6	10	20	0.5	2.0	10.4	28.0	5

B. POWER TYPE BATTERY

- (1) high discharge rate
- (2) have large continuous or pulse current and large power output for over five years
- (3) lower resistance, smooth voltage level.

Type		Nominal capacity	Nominal voltage	Operating current mA		Standard discharge current mA	Cut off voltage	Dimension mm		Weight
GB	IEC	mAh	V	continuous	pulse	current mA	V	dia.	H	g
ER14250M	1/2AA	750	3.6	200	400	1	2.0	14.5	25.0	10
ER14335M	2/3AA	1350	3.6	200	500	2	2.0	14.5	33.5	13
ER14505M	AA	1800	3.6	500	1000	3	2.0	14.5	50.5	19
ER17335M	2/3A	1700	3.6	400	1000	3	2.0	17.0	33.5	19
ER17505M	A	2800	3.6	1000	2000	10	2.0	17.5	50.5	30
ER18505M		3200	3.6	1000	2000	5	2.0	18.5	50.5	32
ER26500M	C	5800	3.6	1000	2000	10	2.0	18.5	50.5	56
ER34615M	D	14000	3.6	2000	3000	15	2.0	34.2	61.5	108
ER48660M		28000	3.6	2000	5000	50	2.5	48.0	66	284

SPECIAL TYPE

A. HIGH TEMPERATURE TYPE

- (1) Could be operated at smooth voltage level at -20°C~+150°C for most models.
- (2) Could be stored over 10 year at 0°C

Type		Nominal capacity	Nominal voltage	Operating current mA(max)		Standard discharge current mA	Cut off voltage	Dimension mm (max)		Weight
GB	IEC	mAh	V	continuous	pulse	current mA	V	dia.	H	g
ER10450S	AAA	600	3.6	50	100	10	2.0	10.2	45.0	9
ER14250S	1/2AA	600	3.6	50	100	10	2.0	14.5	25.0	10
ER14335S	2/3AA	1000	3.6	50	100	50	2.0	14.5	33.5	14
ER14505S	AA	1600	3.6	100	200	20	2.0	14.5	50.5	20
ER17335S		1500	3.6	100	200	1	2.0	17.0	33.5	20
ER18505S		3200	3.6	1000	2000	100	2.0	18.8	50.5	32
ER26500S	C	6000	3.6	200	300	4	2.0	26.2	50.0	52
ER251020S	CC	9500	3.6	100	200	100	2.0	24.5	102	102
ER34615S	D	12500	3.6	200	400	10	2.0	34.0	61.5	100
ER341245S	DD	22000	3.6	300	600	100	2.0	34.0	124.5	200

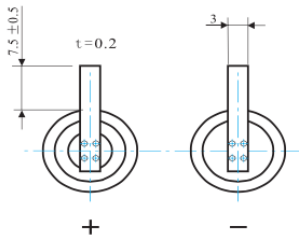
B. PRISMATIC Li/SOCI2 BATTERY

Model	Nominal Capacity	Nominal Voltage	End Voltage	Operating Current	Operating Current	Dimensions	Weight
	(mAh)	(V)	(V)	(mAh)	mA (Max.)	(mm) Max.	(g)
<u>EF651615</u>	400mAh	3.6V	2.0V	0.5mA	5	16.8×6.8×15.8	5
<u>EF651620</u>	550mAh	3.6V	2.0V	1.0mA	10	16.8×6.8×20.8	7
<u>EF651625</u>	750mAh	3.6V	2.0V	1.0mA	10mA	16.8×6.8×25.8	8
<u>EF702338</u>	1600mAh	3.6V	2.0V	1.0mA	25	23.3×7.5×38.3	20

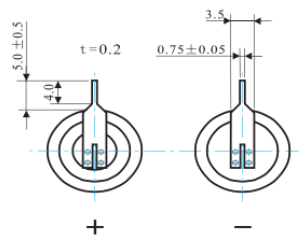
C. WAFER ER BATTERY

Model	Cell Size Ref	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Discharge Current(mA)	Maximum Dimensions		Weight(g)
					Diameter(mm)	Height(mm)	
ER22G68	<u>BEL</u>	3.6	0.4	0.5	22.6	6.8	6
<u>ER32L65</u>	1/10D	3.6	1.0	1	32.9	7.1	19
<u>ER32L100</u>	1/6D	3.6	1.7	1	32.9	10.5	24
ER49L65		3.6	2.6	2.5	49.5	6.8	44

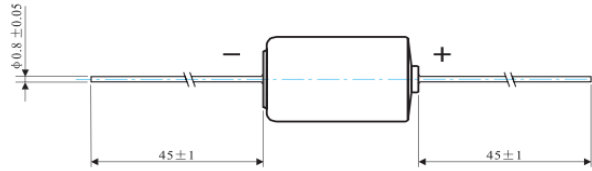
Available Tags/pin/Terminations for ER Batteries



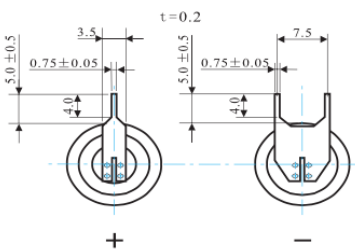
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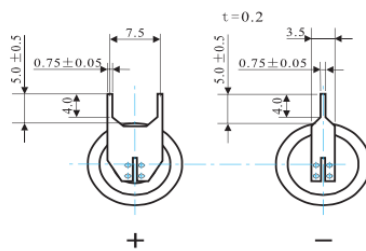
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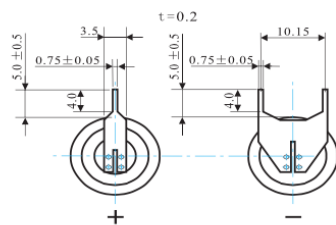
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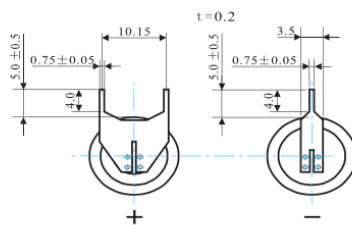
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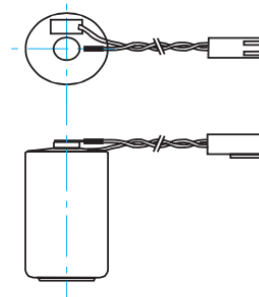
Connector Type1



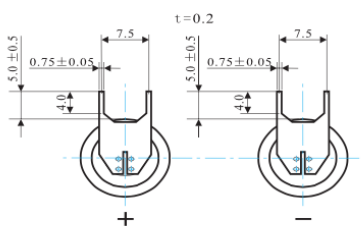
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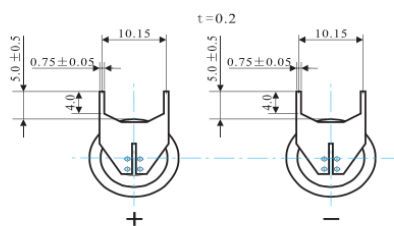
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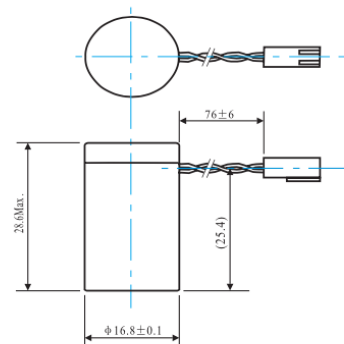
Connector Type2



-/4PT



-/4FP



Case Type