ARICELL® THE CELL IS HEART™

Primary lithium battery technology

High energy & capacity
Extended operating life
Superior shelf life
Wide range of operational temperature
Excellent safety



Product line overview

As a specialized lithium thionyl chloride battery manufacturer in South Korea, ARICELL can promise customer's satisfactory. Abundant experiences of our researchers can give tremendous technical supports and the expertise of process control team will provide reliable quality to the customer.

High rate series - 6 model

System	Structure	Size	Model	Nominal voltage	Nominal capacity	Max. continuous discharge current	Pulse capability	Operational temperature	Weight
Thionyl chloride	Spiral	AA	TCH-AA	3.6 V	2.0 Ah	250 mA	800 mA	-55℃ ~ +85℃	17 g
Thionyl chloride	Spiral	C	TCH-C	3.6 V	6.5 Ah	1,300 mA	2,000 mA	-55℃ ~ +85℃	52 g
Thionyl chloride	Spiral	C [Light]	TCH-C-LT	3.6 V	3.6 Ah	1,300 mA	2,000 mA	-55℃ ~ +85℃	52 g
Thionyl chloride	Spiral	D	TCH-D	3.6 V	14.5 Ah	2,000 mA	3,000 mA	-55℃ ~ +85℃	105 g
Thionyl chloride	Spiral	DD	TCH-DD-HT150	3.6 V	26 ~ 28 Ah	1,300 mA	2,600 mA	-40℃ ~ +150℃	230 g
Thionyl chloride	Spiral	FAT-D*	TCH-FD-HT150	3.6 V	37 ~ 40 Ah	2,000 mA	4,000 mA	-40℃ ~ +150℃	336 g

* Low magnetic signature : ≤40 nT at 7 inch.

Moderate rate series - 3 model

System	Structure	Size	Model	Nominal voltage	Nominal capacity	Max. continuous discharge current	Pulse capability	Operational temperature	Weight
Thionyl chloride	Dual anode	CC[21mm]	TCM-CC21-HT165	3.6 V	7.0 ~ 8.0 Ah	200 mA	400 mA	-40℃ ~ +165℃	80 g
Thionyl chloride	Dual anode	CC[25mm]	TCM-CC25-HT165	3.6 V	11.0 ~ 13.0 Ah	225 mA	450 mA	-40℃ ~ +165℃	115 g
Thionyl chloride	Dual anode	DD	TCM-DD-HT165	3.6 V	27.0 ~ 29.0 Ah	600 mA	1,200 mA	-40℃ ~ +165℃	226 g

Low rate series - 11 model

System	Structure	Size	Model	Nominal voltage	Nominal capacity	Max. continuous discharge current	Pulse capability	Operational temperature	Weight
Thionyl chloride	Bobbin	1/2AA	TCL-1/2AA	3.6 V	1.2 Ah	40 mA	100 mA	-55℃ ~ +85℃	9 g
Thionyl chloride	Bobbin	2/3AA	TCL-2/3AA	3.6 V	1.65 Ah	50 mA	100 mA	-55℃ ~ +85℃	12 g
Thionyl chloride	Bobbin	AA	TCL-AA	3.6 V	2.6 Ah	60 mA	250 mA	-55℃ ~ +85℃	17 g
Thionyl chloride	Bobbin	A	TCL-A	3.6 V	3.6 Ah	100mA	250 mA	-55℃ ~ +85℃	24 g
Thionyl chloride	Bobbin	C	TCL-C	3.6 V	8.5 Ah	150 mA	300 mA	-55℃ ~ +85℃	51 g
Thionyl chloride	Bobbin	D	TCL-D	3.6 V	19.0 Ah	250mA	400 mA	-55℃ ~ +85℃	98 g
Thionyl chloride	Bobbin [High temp.]	1/2AA	TCL-1/2AA-HT130	3.6 V	0.9 Ah	30 mA	60 mA	-55℃ ~ +130℃	9 g
Thionyl chloride	Bobbin [LM]**	C	TCL-C-LM	3.6 V	8.5 Ah	150 mA	300 mA	-55℃ ~ +85℃	51 g
Thionyl chloride	Bobbin [LM]**	D	TCL-D-LM	3.6 V	19.0 Ah	250mA	400 mA	-55℃ ~ +85℃	98 g
Sulfuryl chloride	Bobbin	C	SCL-C	3.9 V	7.5 Ah	150 mA	300 mA	-40℃ ~ +85℃	51 g
Sulfuryl chloride	Bobbin	D	SCL-D	3.9 V	16.0 Ah	250 mA	400 mA	-40℃ ~ +85℃	98 g

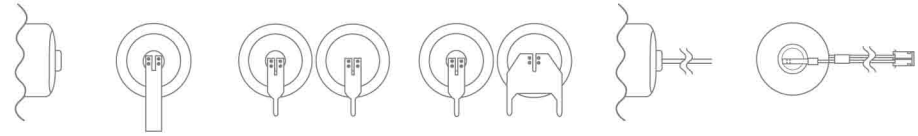
** [LM] - Low magnetic signature

Available terminations

7 types of terminations - STD, T1, T2, T3, T3R, AX, C&W

1) STD, T1, AX, C&W - All size
2) T2, T3, T3R - Size 1/2AA, 2/3AA, AA, A

※ For detailed dimension information, please consult ARICELL.



STD T1 T2 T3 AX C&W

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※ Any values given here are for reference only. They also depend on actual conditions of use and does not guarantee future performance. Subject to change.

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