

aricell primary lithium cell

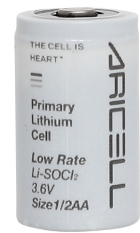
3.6V lithium thionyl chloride [Li-SOCl₂]

Low rate series TCL-1/2AA

Size 1/2AA Bobbin structure

Scope

Low rate series is a suitable solution for applications requiring small current for long-term back-up. This data sheet describes the mechanical design and electrical performance of the TCL-1/2AA of low rate series.



Electrical Characteristics

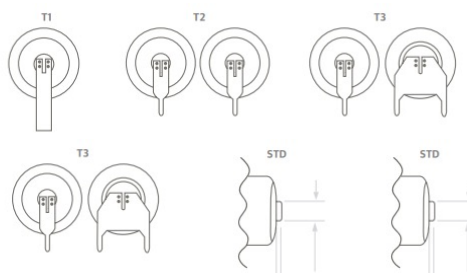
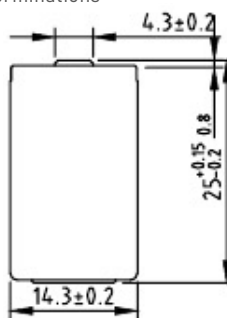
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|--|-------------------------------|
| Nominal voltage [at +25°C] | 3.67 V |
| Nominal capacity [at 1mA, +20°C, 2.0V cut off] | 1.2 Ah |
| Maximum continuous current | 30 mA |
| Pulse capability | 60 mA |
| Storage [recommended] | +25 °C ±5 °C in dry condition |
| Operational temperature range | -55 °C ~ +85 °C |

Physical Characteristics

| | |
|----------------|---------|
| Diameter [max] | 14.5 mm |
| Height [max] | 25.0 mm |
| Weight | 9.0 g |

Available terminations

STD, T1, T2, T3, T3R, AX, Wire, Connector



※ Customized battery pack: Since cell assembly requires a lot of experience and technical skills, we do not recommend end-user attempts to self-assembly without technical information. Please consult ARICELL.

Benefits

- High and stable operating voltage
- Superior shelf life
→ Up to 15 years
- Wide operational temperature range
→ -55°C / +85°C
- Low self-discharge rate
→ Less than 1% per year at 20°C

Key features

- Bobbin structure
- 304L stainless steel container
- Hermetically glass to metal sealed
- Non-flammable electrolyte
- UL1642 certified [File no. MH 62104]
- Compliant with IEC60086-4
- UN DOT 38.3
- Made in South Korea

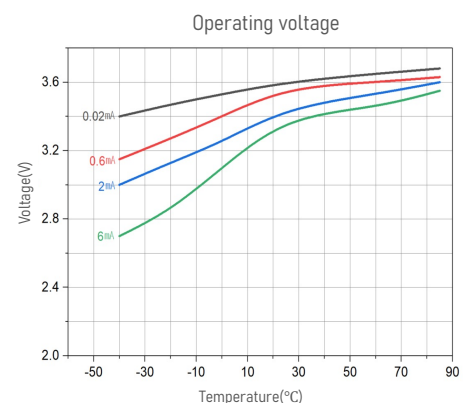
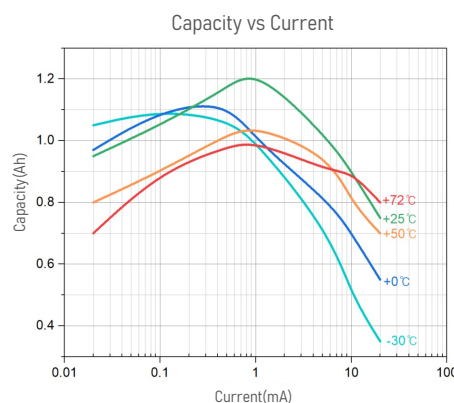
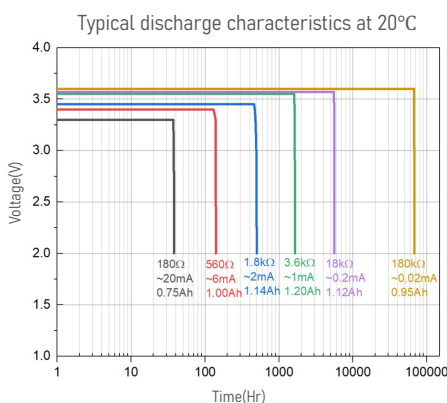
Typical applications

- AMR utility metering
- Medical equipment
- RFID device
- Military System
- Toll tag
- Asset tracking

Warning

- Fire, explosion and burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C(212°F), incinerate. Do not solder directly to the cell (use tabbed cell versions instead).

Performance



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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.

