

# aricell primary lithium cell

## 3.6V lithium thionyl chloride [Li-SOCl<sub>2</sub>]

### Low rate series TCL-AA

#### Size AA 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-AA of low rate series.

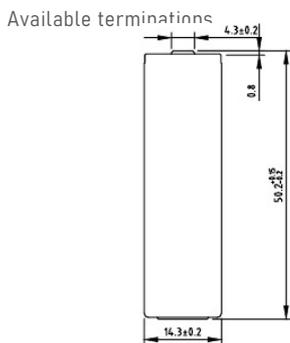


#### Electrical Characteristics

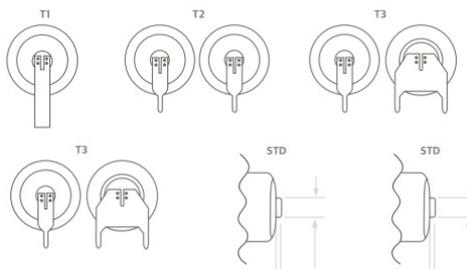
Nominal voltage [at +25°C]	3.67 V
Nominal capacity [at 1mA, +20°C, 2.0V cut off]	2.6 Ah
Maximum continuous current	60 mA
Pulse capability	120 mA
Storage [recommended]	+25 °C ±5 °C in dry condition
Operational temperature range	-55 °C ~ +85 °C

#### Physical Characteristics

Diameter [max]	14.5 mm
Height [max]	50.5 mm
Weight	17.0 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

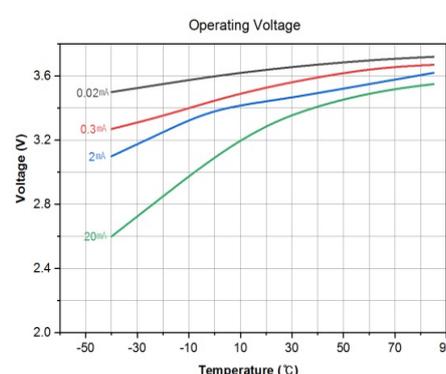
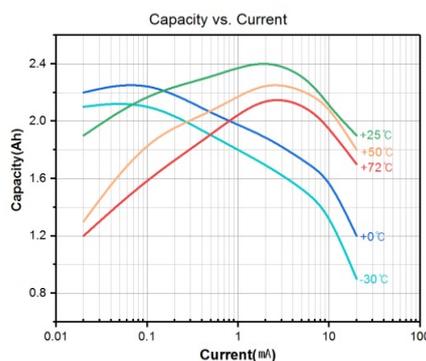
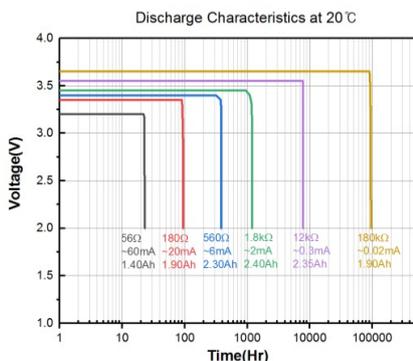
#### Typical applications

- 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.

