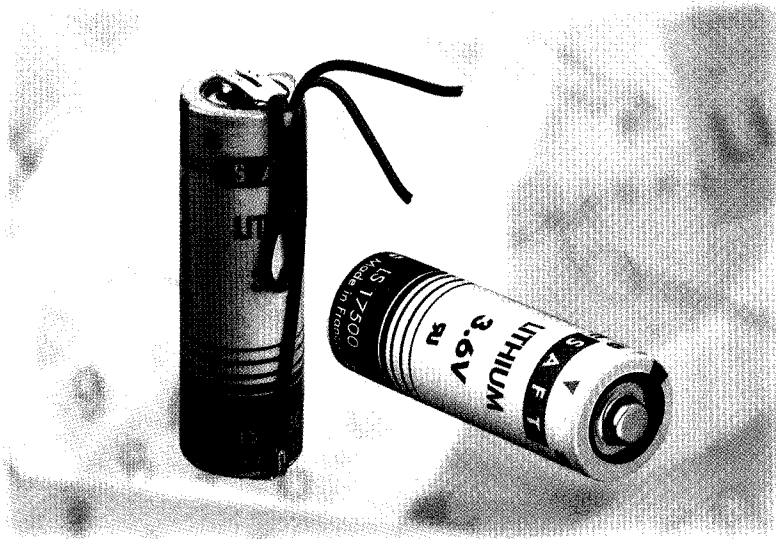


LS 17500

3.6 V Primary lithium - thionyl chloride (Li-SOCl₂) A-size cell



For applications with continuous currents up to 130 mA, possibly combined with pulsing and exposure to extreme temperatures.

Key features

- High and stable operating voltage
- Superior drain capability
- Low self discharge rate
(less than 1% after 1 year of storage at +20°C)
- Stainless steel container and end caps
- Non flammable electrolyte
- Underwriters Laboratories (UL) Component Recognition (File Number MH 12609)
- Non restricted for transport

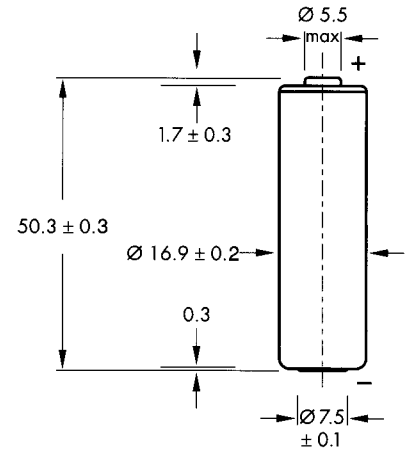
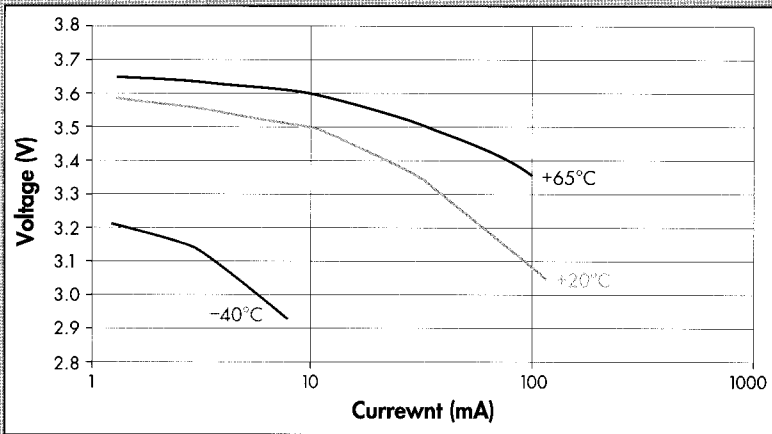
Main applications

- Utility metering
- Automatic meter reading (AMR)
- Alarms and security devices
- Tollgate systems
- Identification tags
- Tracking systems
- Automotive electronics
- Professional electronics
- ... etc.

Cell size reference		A
Electrical characteristics <i>(typical values for cells stored for one year or less)</i>		
Nominal capacity <i>(at 4 mA +20°C 2 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).</i>		3.3 Ah
Open circuit voltage <i>(at +20°C)</i>		3.67 V
Nominal voltage <i>(at 0.3 mA +20°C)</i>		3.6 V
Maximum recommended continuous current <i>(to get 50% of the nominal capacity at +20°C with 2 V cut off. Higher currents possible, consult Saft).</i>		130 mA
Pulse capability : <i>varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.</i>		
Storage <i>(recommended)</i> <i>(possible without leakage)</i> <i>(external plastic sleeving may be affected above 105°C)</i>		+30°C max -60/+125°C
Operating temperature range <i>(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses).</i>		-60/+85°C
Physical characteristics		
Diameter (max)		17.1 mm (0.67")
Height (max)		50.6 mm (1.99")
Typical weight		23.5 g
Available termination suffix	CN, CNR, (STS) 2 PF, 3 PF, 3 PF RP, 4 PF CNA (AX) FL	radial tabs radial pins axial leads flying leads ...etc.

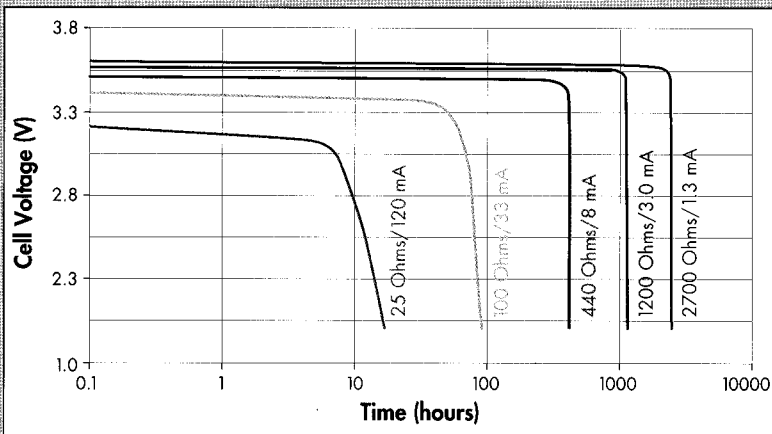
LS 17500

Voltage plateau versus Current and Temperature (at mid-discharge)

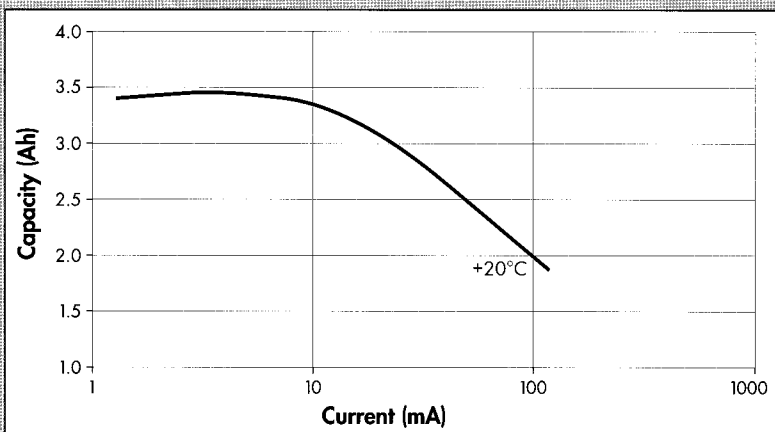


dimensions in mm

Discharge profiles at +20°C



Capacity versus Current (2.0 V cut off)



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