

LS 26500

3.6 V Primary lithium - thionyl chloride (Li-SOCl₂) High Drain C-size cell



For applications with continuous currents up to 170 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
- Hermetic glass-to-metal sealing
- Built-in safety vent
- Finish with or without flat positive end
- Non flammable electrolyte
- Compliant with IEC 86-4 safety standard
- Underwriters Laboratories (UL) Component Recognition (File Number MH 12609)
- Non restricted for transport

Main applications

- Utility metering
- Automatic meter readers
- Buoys
- Measuring equipment
- Industrial applications
- Professional electronics
- ... etc.

Optional upon request

- Low magnetism version

Cell size reference

R14 - C

Electrical characteristics

(typical values for cells stored for one year or less)

Nominal capacity	7.3 Ah
(at 5 mA +20°C 2.0 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).	
Open circuit voltage (at +20°C)	3.67 V
Nominal voltage (at 0.1 mA +20°C)	3.6 V
Maximum recommended continuous current	170 mA
(to get 50% of the nominal capacity at +20°C with 2 V cut off. Higher currents possible, consult Saft).	
Pulse capability : varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.	
Storage (recommended)	+30°C max
(possible without leakage)	-60/+100°C
Operating temperature range	-60/+85°C
(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses).	

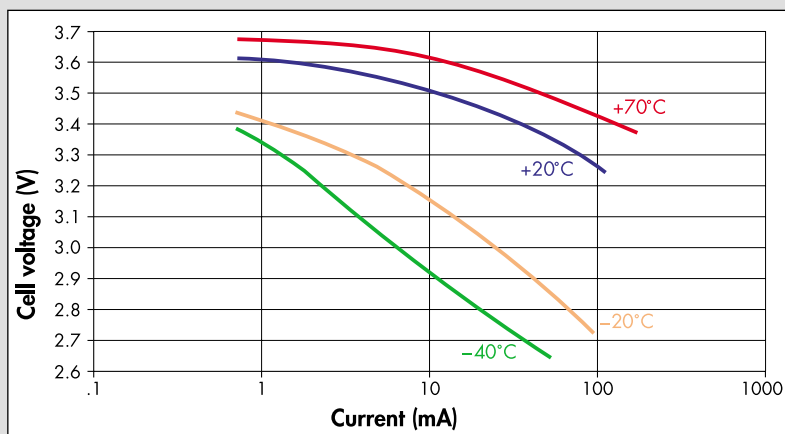
Physical characteristics

Diameter (max)	26.0mm (1.02")
Height (max)	49.2 or 50.3mm (1.94" or 1.98") depending on finish type
Typical weight	48 g
Available termination suffix	CNR, (STS) radial tabs 3 PF, 3 PF RP radial pins CNA (AX) axial leads FL flying leads ... etc.

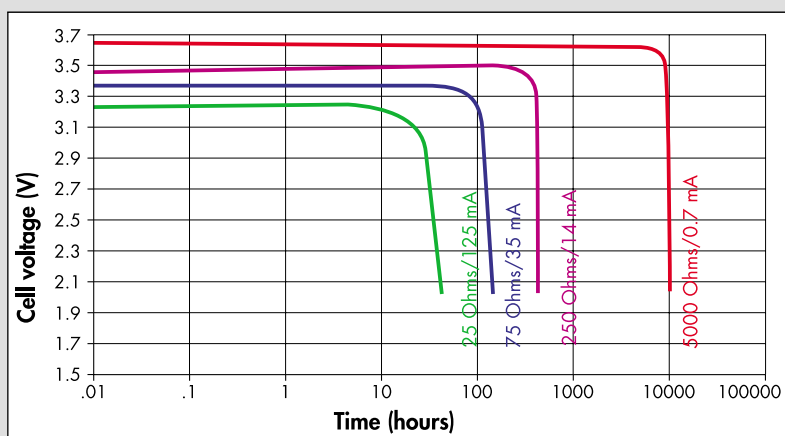


SAFT

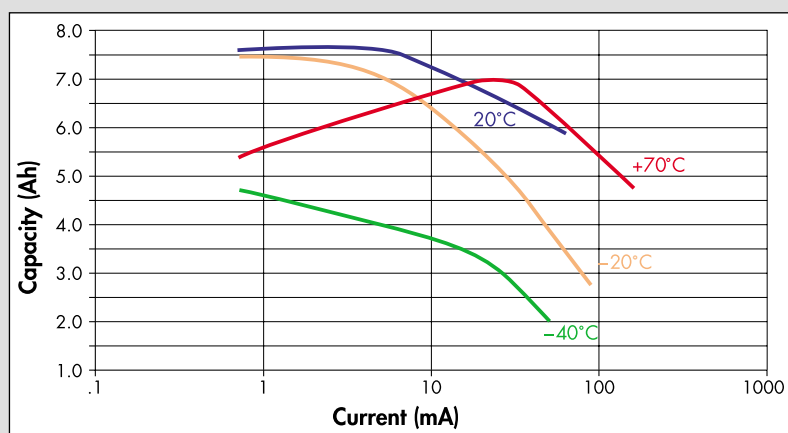
Voltage plateau versus Current and Temperature (at mid-discharge)



Discharge profiles at +20°C

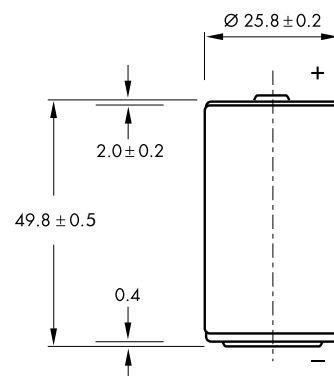


Capacity versus Current and Temperature (2.0 Volt cut off)

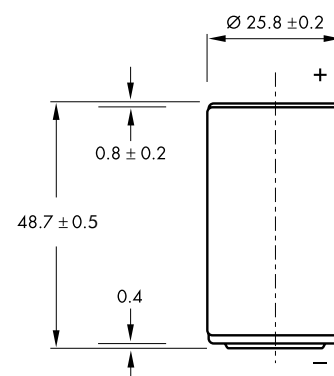


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dimensions in mm



Finished version with protruding positive end cap



Finished version with flat positive end cap



12, rue Sadi Carnot
93170 Bagnole - France
Tel +33 (0)1 49 93 17 70
Fax +33 (0)1 49 93 19 69
Internet: <http://www.saftbatteries.com>
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