Primary lithium battery LS 26500

3.6 V Primary lithium-thionyl chloride (Li-SOCl₂) High energy density C-size bobbin cell

Benefits

- High voltage response, stable during most of the lifetime of the application
- Wide operating temperature range (-60°C/+85°C)
- Low self-discharge rate (less than 1 % after 1 year of storage at + 20°C)
- Easy integration into compact systems
- Superior resistance to atmospheric corrosion

Key features

- Stainless steel container and end caps (low magnetic signature)
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Underwriters Laboratories (UL)
 Component Recognition
- Compliant with IEC 60086-4 safety standard and IEC 60079-11 intrinsic safety standard
- Restricted for transport (Class 9)

Main applications

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

Optional upon request

Low magnetic version

Cell size references

Electrical characteristics

(typical values relative to cells stored for one year or less at + 30°C max.)

Nominal capacity

(at 4 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 0.5 mA + 20°C)	3.6 V
Nominal energy		27.72 Wh

Pulse capability: Typically up to 300 mA

(300 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 μ A base current, yield voltage readings above 3.0 V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult Saft)

	nended continuous current possible, consult Saft)	150 mA
Storage	(recommended) (for more severe conditions, consult Saft)	+30°C (+86°F) max
Operating temperature range		- 60°C/+85°C
(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult Saft)		(-76°F/+185°F)

Diameter (max)		26.0 mm (1.02 in)
Height (max)		49.1 mm or 50.4 mm (1.93 in or 1.98 in) depending on finish type
Typical weight		48 g (1.7 oz)
Li metal content		approx. 2.0 g
Available termination suffix CNR 3 PF, 3 PF RP CNA (AX) FL		radial tabs radial pins axial leads flying leads <i>etc</i> .

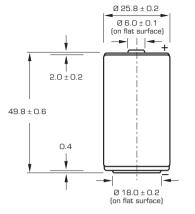


3.6V

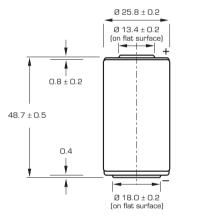
C

7.7 Ah

LS 26500



Finished version with protruding positive end cap



Finished version with flat positive end cap

Dimensions in mm.

Storage

• The storage area should be clean, cool (*preferably not exceeding* +30°C), dry and ventilated.

Warning

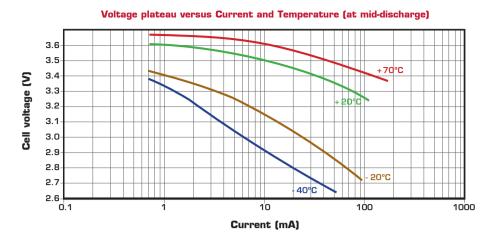
- Fire, explosion and severe burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water.
- Do not solder directly to the cell (use tabbed cell versions instead).

Saft

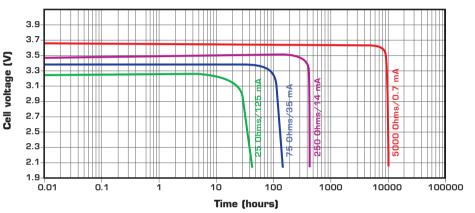
Specialty Battery Group

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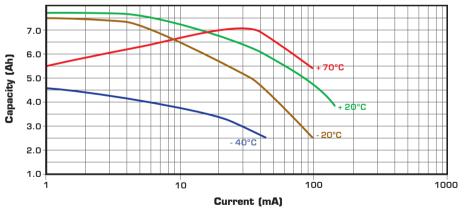
www.saftbatteries.com











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