# Primary lithium batteries LO 26 SX

3.0 V Primary lithium-sulfur dioxide (Li-SO<sub>2</sub>) High drain capability D-size spiral cell



#### **Benefits**

- High and stable discharge voltage
- High pulse capability
- Performance not affected by cell orientation
- Long storage possible before use
- Ability to withstand extreme temperature

#### **Key features**

- Low self-discharge rate (less than 3% after 1 year of storage at +20°C)
- Hermetic glass-to-metal sealing
- Built-in safety vent (at the negative end of the cell)
- Restricted for transport (class 9)
- UL Component Recognition (File Number MH 15076)
- Meets shock, vibration and other environmental requirements of military specifications
- Made in the USA

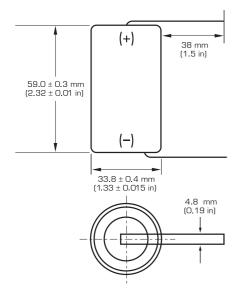
#### **Main applications**

- Radiocommunications and other military applications
- Beacons and Emergency Location Transmitters
- Sonobuoys
- Missiles

Cell size reference	R20 - D
Electrical characteristics	
(typical values for cells stored for one year or less)	
Nominal capacity (at 0.25 A +20°C 2.0 V cut off. The capacity resto according to current drain, temperature and cut off,	
Open circuit voltage (at +20°C)	3.0 V
Nominal voltage (at 0.5 A +20°C)	2.8 V
Maximum recommended continuous current (to avoid over-heating. Higher currents possible, con	2.5 A sult Saft)
Pulse capability: Typically up to 5 A. (The voltage readings may vary according to the pulse the temperature, and the cell's previous history. Fittir capacitor may be recommended in severe conditions.)	g the cell with a
Storage (recommended) (possible without leakage)	+ 30°C (+ 86°F) max - 60°C/+ 85°C (-76°F/+ 185°F)
Operating temperature range (Short excursions up to +85°C possible at currents	-60°C/+70°C below 1 A) (-76°F/+158°F)
Physical characteristics	
Diameter (max)	34.2 mm (1.345 in)
Height (max; finish without radial tabs)	59.3 mm (2.33 in)
Typical weight	85 g (3 oz)
Li metal content	2.4 g
Standard cell comes with resin potting in the topshe two radial 0.15 mm - thick nickel tabs	l area and
Different configurations available on request.	



## LO 26 SX



Overall dimensions

**Handling precautions** 

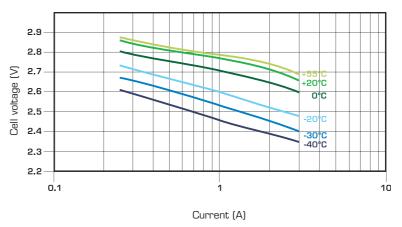
- Cell is pressurised.
- Do not puncture, open or mutilate.
- Do not obstruct the safety vent mechanism.
- Do not short circuit or charge.
- Do not expose to fire or temperatures above +70°C (+158°F).

### Saft Specialty Battery Group

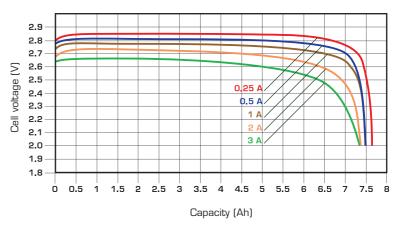
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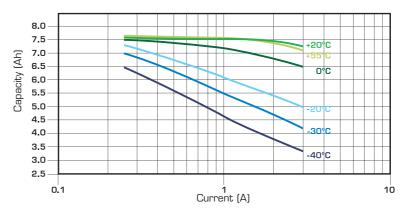




Voltage at mid-discharge versus Current and Temperature (2.0 V cut off)



Typical discharge profiles at +20°C



Capacity versus Current and Temperature (continuous discharges - 2.0 V cut off)

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Information in this document is subject to change without notice and becomes contractual only after written confirmation by Saft.

For more details on primary lithium technologies please refer to Primary Lithium Batteries Selector Guide Doc  $N^\circ$  31048-2.

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