Primary lithium batteries
LO 26 SX

3.0 V Primary lithium-sulfur dioxide (Li-SO₂)
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

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<th>Cell size reference</th>
<th>R20 - D</th>
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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 restored by the cell varies according to current drain, temperature and cut off) 7.75 Ah

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, consult Saft) 2.5 A

Pulse capability : Typically up to 5 A.
(The voltage 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)

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 below 1 A) -60°C/+70°C
(-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 topshell area and two radial 0.15 mm - thick nickel tabs
Different configurations available on request.

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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
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