**Primary lithium batteries**

**LO 26 SHX**

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

Very high drain and pulse capability

D-size spiral cell

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**Benefits**

- Superior drain and pulse capability
- High and stable discharge voltage
- 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
- Cardiac defibrillators

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**Electrical characteristics**

<table>
<thead>
<tr>
<th>Cell size reference</th>
<th><strong>R20 - D</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nominal capacity</strong></td>
<td>7.5 Ah</td>
</tr>
<tr>
<td>(at 1 A +20°C 2.0 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off)</td>
<td></td>
</tr>
<tr>
<td><strong>Open circuit voltage</strong></td>
<td>3.0 V</td>
</tr>
<tr>
<td>(at +20°C)</td>
<td></td>
</tr>
<tr>
<td><strong>Nominal voltage</strong></td>
<td>2.8 V</td>
</tr>
<tr>
<td>(at 0.8 A +20°C)</td>
<td></td>
</tr>
<tr>
<td>Maximum recommended continuous current</td>
<td>4 A</td>
</tr>
<tr>
<td>(to avoid over-heating. Higher currents possible, consult Saft)</td>
<td></td>
</tr>
</tbody>
</table>

**Pulse capability**: Typically up to 15 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) +30°C (+86°F) max
(possible without leakage) -80°C / +85°C
(-112°F / +185°F)

**Operating temperature range**

-60°C / +70°C
(-76°F / +158°F)

(Short excursions up to +85°C possible at currents below 1 A)

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**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 | 2.3 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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October 2005
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).

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