Saft’s LS 14250 cell is ideally suited for long-term applications (typically from 5 to 20+ years), featuring low base currents and periodic pulses.

**Benefits**
- High capacity and high energy (1024 Wh/l and 480 Wh/kg)
- High voltage response, stable during most of the lifetime of the application.
- Wide operating temperature range (-60°C / +85°C).
- Low self-discharge, compatible with a long operating life (less than 1% per year of storage, at +20°C, after 1 year).
- Superior resistance to corrosion.
- Low magnetic signature

**Key features**
- Bobbin construction.
- Well controlled passivation.
- Hermetic construction with glass-to-metal seal.
- Stainless steel container.
- Non-flammable electrolyte.
- RoHS and REACH compliance.
- Manufactured in France, China, UK.

**Designed to meet all major quality, safety and environmental standards.**
- Safety: UL 1642, IEC 60086-4.
- IEC 60079-11 part 10.5 (T4 temperature rating at +60 °C).
- Transport: UN 3090 and UN 3091.
- Quality: ISO 9001, Saft World Class continuous evaluation program.

**Typical applications**
- Utility Metering.
- Internet of Things.
- Tracking systems.
- Alarms and security.
- Connected sensors.
- Medical devices.

### Electrical characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal capacity [under 1 mA, +20 °C, 2.0 V cut-off][i]</td>
<td>1.2 Ah</td>
</tr>
<tr>
<td>Open circuit voltage [at +20 °C]</td>
<td>3.67 V</td>
</tr>
<tr>
<td>Nominal voltage [under 0.1 mA, +20 °C]</td>
<td>3.6 V</td>
</tr>
<tr>
<td>Nominal energy</td>
<td>4.32 Wh</td>
</tr>
<tr>
<td>Pulse capability[b]</td>
<td>Up to 100 mA</td>
</tr>
<tr>
<td>Maximum recommended continuous current</td>
<td>30 mA</td>
</tr>
</tbody>
</table>

### Operating conditions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature range[b]</td>
<td>-60 °C / +85 °C [-76 °F / +185 °F]</td>
</tr>
<tr>
<td>Storage temperatures [max recommended][b]</td>
<td>+30 °C (+86 °F)</td>
</tr>
</tbody>
</table>

### Physical characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter [max]</td>
<td>14.62 mm (0.57 in)</td>
</tr>
<tr>
<td>Height [max]</td>
<td>25.13 mm (0.99 in)</td>
</tr>
<tr>
<td>Typical weight</td>
<td>9 g (0.31 oz)</td>
</tr>
<tr>
<td>Li metal content</td>
<td>approx. 0.3 g</td>
</tr>
</tbody>
</table>

### Terminations suffix

- CN, CNR: Radial tabs
- 2 PF, 2 PF, 3PF RP, 4 PF: Radial pins
- CNA: Axial leads
- FL: Flying leads

**Other configurations upon request**

[i] Typical values relative to cells stored up to one year at +30 °C max.
[ii] Sleeved cell.
[iii] Dependent upon current drain, temperature, cut-off and cell orientation.
[iv] Under 100 mA / 0.1 second pulses, drained every 2 minutes at +20 °C from undischarged cells during 24 hours, with 10 µA base current, yield voltage readings above 3.0 V after initial stabilisation. 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 or for high pulse currents. Consult Saft.
[v] Operation above ambient temperature may lead to reduced capacity and lower voltage readings. Consult Saft.
[vi] For more severe conditions, consult Saft.
LS 14250

Dimensions in mm

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

Warning
- Fire, explosion and 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 America, Inc.
313 Crescent Street
Valdese, NC 28690—USA
Tel.: +1 (828) 874 41 11
Fax: +1 (828) 879 39 81
www.saftbatteries.com

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