Li-SO$_2$ primary battery system
BA 5800 A/U

Assembled from 2 LO 26 SX cells connected in series.

Key features

- A non-replaceable fuse is incorporated in the negative leg.
- A normally closed thermal fuse (TCO) is incorporated in the battery. It is non-replaceable and non-resetable.
- A diode is incorporated to prevent charging or flow of current into the battery.
- A device consisting of a manually activated switch and resistor designed to discharge the battery to 0 V is built into the battery.
- Made in the USA

Typical applications

- AN/PSN-11 GPS
- AN/PSN-10 (V) GPS
- Chemical Agent Monitor

Electrical Characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical OCV (V)</td>
<td>6.0</td>
</tr>
<tr>
<td>Nominal voltage (at 500mA) (V)</td>
<td>5.3</td>
</tr>
<tr>
<td>Cut-off (V)</td>
<td>4.0</td>
</tr>
<tr>
<td>Typical Capacity (Ah)</td>
<td>7.5</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40° C to 71° C</td>
</tr>
<tr>
<td></td>
<td>-40° F to 160° F</td>
</tr>
<tr>
<td>Storage</td>
<td>Recommended max</td>
</tr>
<tr>
<td></td>
<td>+35°C / +95°F</td>
</tr>
<tr>
<td></td>
<td>Possible</td>
</tr>
<tr>
<td></td>
<td>-40° C to 71° C / -40° F to 160° F</td>
</tr>
</tbody>
</table>

Physical Characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Weight (g/oz)</td>
<td>220 / 7.76</td>
</tr>
<tr>
<td>Weight of Li metal content (g/oz)</td>
<td>4.8 / 0.17</td>
</tr>
<tr>
<td>Max. OD (mm/ in)</td>
<td>35.51 / 1.398</td>
</tr>
<tr>
<td>Max. Height (mm/ in)</td>
<td>128.5 / 5.059</td>
</tr>
<tr>
<td>Battery Case</td>
<td>Plastic</td>
</tr>
</tbody>
</table>

References

- Reference specifications MIL PRF 49471B (CR) or Saft Standard Specifications
- NSN Reference 6135-01-440-7774
SAFT
Specialty Battery Group
12, rue Sadi Carnot
93170 Bagnolet - France
Tel: +33 (0)1 49 93 19 18
Fax: +33 (0)1 49 93 19 69

313 Crescent Street
Valdese NC 28690 - USA
Tel: +1 (828) 874 4111
Fax: +1 (828) 874 2431

www.saftbatteries.com

BA 5800 A/U dimensions
*All measurements in inches

2 A discharge typical curves at various temperatures

Capacity vs rate at various temperatures

Typical discharge curves at various rates at +21°C/+70°F

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

Saft
Specialty Battery Group
12, rue Sadi Carnot
93170 Bagnolet - France
Tel: +33 (0)1 49 93 19 18
Fax: +33 (0)1 49 93 19 69

313 Crescent Street
Valdese NC 28690 - USA
Tel: +1 (828) 874 4111
Fax: +1 (828) 874 2431

www.saftbatteries.com