Primary lithium batteries
LO 26 SXC

3.0 V Primary lithium-sulfur dioxide (Li-SO_2)
High capacity, 9.2 Ah
High drain D-size cell

Key features

- Enhanced capacity
- High and stable discharge voltage
- Performance not affected by cell orientation
- 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)
- Meets shock, vibration and other environmental requirements of military specifications
- Made in the USA

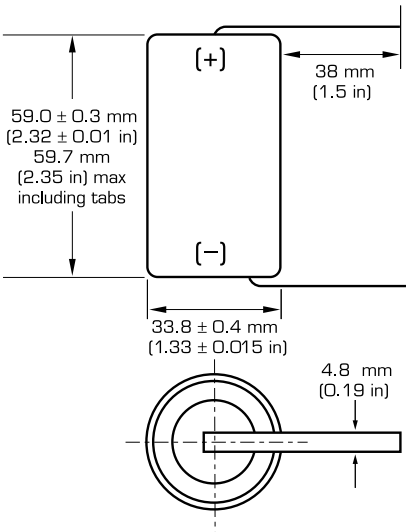
Main applications

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

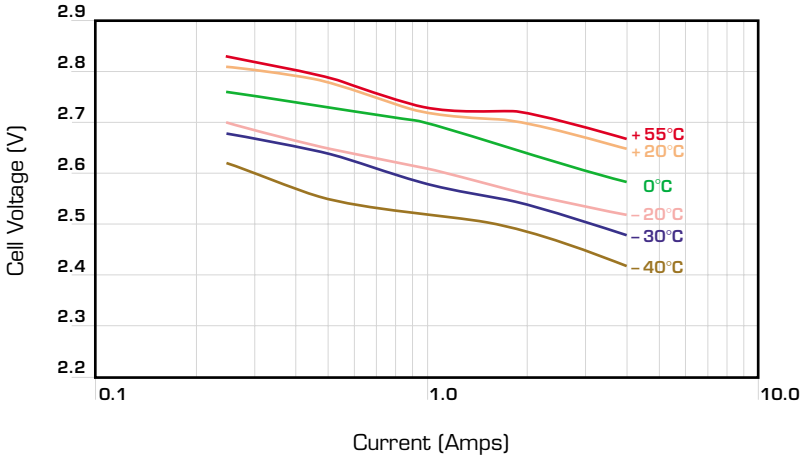
etc...

Cell size reference	R20 - D
Electrical characteristics	
(typical values for cells stored for one year or less)	
Nominal capacity *(at 250 mA +20°C 2.0 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).*	9.2 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 : Up to 10 A. *Varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.*	
Storage *(recommended)*	+30°C /+86°F max
(possible without leakage)	–60°C (–76°F) / +85°C (+185°F)
Operating temperature range	–60°C (–76°F) / +71°C (+160°F)
(Short excursions up to 85°C possible at currents below 1 A).	
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	2.7 g
Standard cell comes with resin potting in the topshell area and two radial 0.15 mm - thick nickel tabs	
Finish with positive button on request Finish with individual fuse on request	

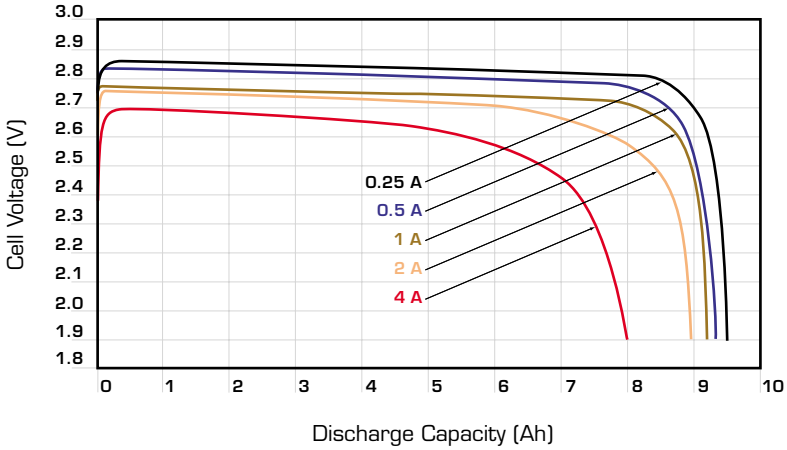
LO 26 SXC



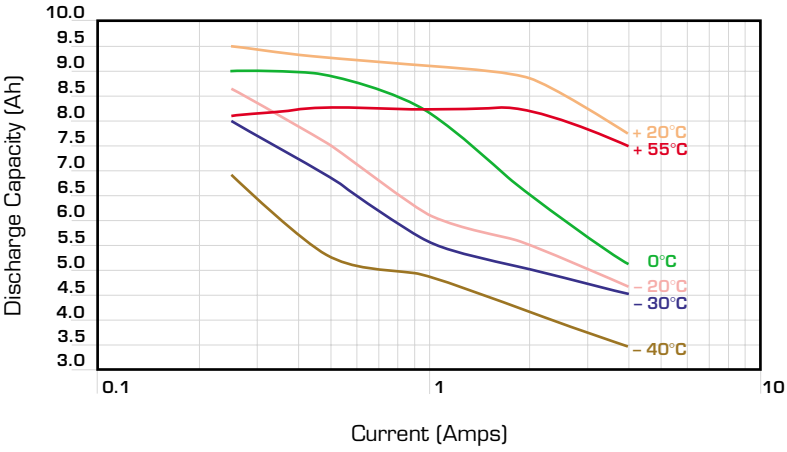
Overall dimensions



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



Typical discharge profiles at +20°C



Capacity versus Current and Temperature - 2.0 V cut off)

Handling precautions

- Cell is pressurized.
- 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 (+160°F).

Saft
12, rue Sadi Carnot
93170 Bagnolet - France
Tel +33 1 49 93 19 18
Fax +33 1 49 93 19 69

313, Crescent Street
Valdese NC 28690 USA
Tel +1 828 874 41 11
Fax +1 828 879 39 81

www.saftbatteries.com

Doc. Nº 31047-2-0604
Published by the Communications Department