Primary lithium battery LSH 14 "light"

3.6 V Primary lithium-thionyl chloride (Li-SOCl₂) High power C-size spiral cell (non-restricted for transport)



Benefits

- High voltage response, stable during most of the lifetime of the application
- High drain/pulse capability
- Wide operating temperature range (-60°C/85°C)
- Easy integration in compact system
- Low self-discharge rate (less than 3% after 1 year of storage at +20°C)
- Non-restricted for transport

Key features

- Stainless steel container
- Hermetic glass-to-metal sealing
- Built-in safety vent
- Finish with 5 A fuse
- Non-flammable electrolyte

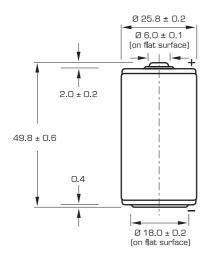
Main applications

- Radiocommunication and other military applications
- Alarms and security systems
- Beacons and emergency location transmitters
- GPS
- Metering systems
- Sonobuoys

Cell size ref	erences		UM2 - R14 - C
Electrical char	acteristics		
(typical values rela	tive to cells stored for one y	ear or less at +30°C max.)	
	2.0 V cut off. The capacity ent drain, temperature and c	,	3.6 Ah
Open circuit voltaç	ge (at +20°C)		3.67 V
Nominal voltage	(at 1mA +20°C)		3.6 V
(2000 mA/0.1 s undischarged cells 3.0 V. The readin the temperature,	ypically up to 2000 mA econd pulses, drained every s with 10 μA base current, y gs may vary according to the and the cell's previous histor recommended in severe con	vield voltage readings above e pulse characteristics, ry. Fitting the cell with a	
(to maintain cell h	nended continuous current eating within safe limits. Bat current and may request spec	, , , , ,	1300 mA
Storage	(recommended) (for more severe condi	itions, consult Saft)	+30°C (+86°F) max
Operating temperature range (Operation at extreme T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult Saft)			-60°C/+85°C (-76°F/+185°F)
Physical chara	cteristics		
Diameter <i>(max)</i>			26.0 mm (1.02 in)
Height <i>(max)</i>			50.4 mm (1.98 in)
Typical weight			51 g (1.8 oz)
Li metal content			below 1 g
Available terminati	on suffix CN, CNR 3 PF, 3 PF RP CNA (AX) FL	radial tabs radial pins axial leads flying leadsetc.	



LSH 14 "light"



Dimensions in mm.

Storage

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

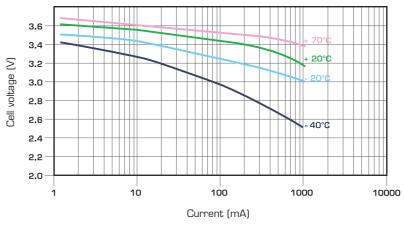
Warning

- 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).

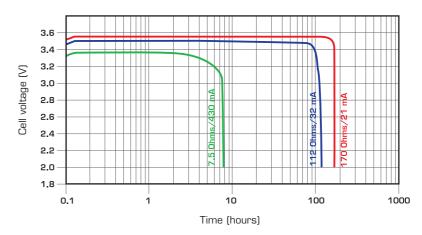
Saft **Specialty Battery Group**

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

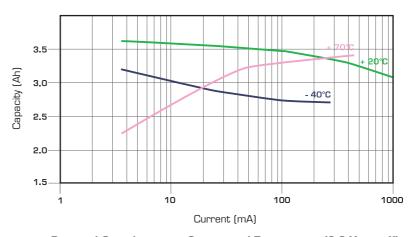




Voltage plateau versus Current and Temperature (at mid-discharge)



Typical discharge profiles at +20°C



Restored Capacity versus Current and Temperature (2.0 V cut off)

Doc. No 31046-2-1006

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

For more details on primary lithium technologies please refer to Primary Lithium Batteries Selector Guide Doc N° 31048-2.

Published by the Communications Department.

Photo credit: Saft

Société anonyme au capital de 31 944 000 € RCS Bobigny B 383 703 873

Produced by Arthur Associates

