Primary lithium battery G 52/3

3.0 V Primary lithium-sulfur dioxide (Li-SO₂) High drain capability C-size spiral cell



Benefits

- High and stable discharge voltage
- High pulse capability
- Performance not affected by cell orientation
- Long storage possible before use
- Ability to withstand extreme temperature

Key features

- Low self-discharge rate (less than 2 % 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 UK

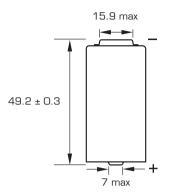
Main applications

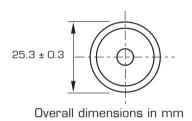
- Radiocommunications and other military applications
- Sonobuoys
- Life jacket lights
- Professional electronics
- Rescue devices

Cell size r	eference	R14 - C
Electrical cha	aracteristics	
(typical values r	elative to cells stored for one year or less at +30°C max.)
	cy 2 2.0 V cut-off. The capacity restored by the cell varies rrent drain, temperature and cut-off)	3.2 Ah
Open circuit volt	tage (at +20°C)	3.0 V
Nominal voltage	e (at 0.5 A +20°C)	2.8 V
Nominal energy		8.96 Wh
Maximum nacan	nmended continuous current	2.5 A
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(to avoid over-he Pulse capability: (The voltage rea the temperature		
(to avoid over-he Pulse capability: (The voltage rea the temperature	eating) Typically up to 5 A. Idings may vary according to the pulse characteristics, e and the cell's previous history. Fitting the cell with a	+30°C (+86°F) max +85°C (+185°F) max
(to avoid over-he Pulse capability: (The voltage rea the temperature capacitor may b Storage Operating temp (Operation above	eating) Typically up to 5 A. Addings may vary according to the pulse characteristics, and the cell's previous history. Fitting the cell with a per recommended in severe conditions. Consult Saft) (recommended) (possible without leakage)	
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(to avoid over-he Pulse capability: (The voltage rea the temperature capacitor may b Storage Operating temp (Operation above voltage readings Physical char Diameter (max)	eating) Typically up to 5 A. Addings may vary according to the pulse characteristics, e and the cell's previous history. Fitting the cell with a per recommended in severe conditions. Consult Saft) (recommended) (possible without leakage) erature range e ambient T may lead to reduced capacity and lower is at the beginning of pulses. Consult Saft)	+85°C (+185°F) max -60°C/+70°C (-76°F/+158°F) 25.6 mm (1.01 in)



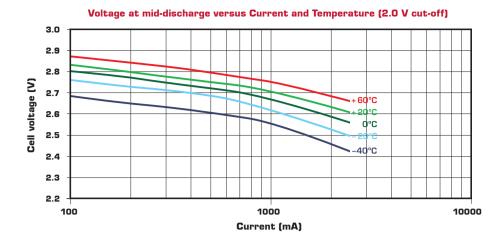
G 52/3

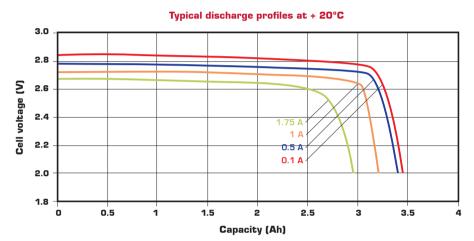


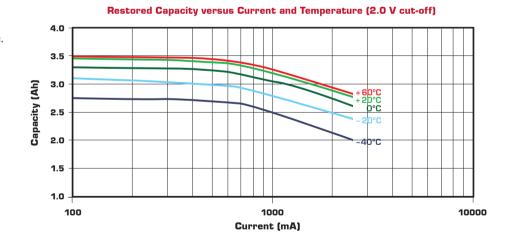


Handling precautions

- 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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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.

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