# Primary lithium battery G 52/3

3.0 V Primary lithium-sulfur dioxide (Li-SO<sub>2</sub>) 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

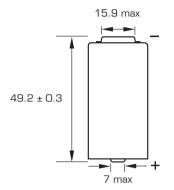
## **Main applications**

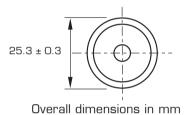
- Radiocommunications and other military applications
- Sonobuoys
- Life jacket lights
- Professional electronics
- Rescue devices

Cell size r	reference	R14 - C
Electrical ch	aracteristics	
(typical values r	relative to cells stored for one year or less at +30°C max.,	1
	ity C 2.0 V cut-off. The capacity restored by the cell varies urrent drain, temperature and cut-off)	3.2 Ah
Open circuit vo	ltage (at +20°C)	3.0 V
Nominal voltage	e (at 0.5 A +20°C)	2.8 V
Nominal energy		8.96 Wh
	mmended continuous current	2.5 A
(to avoid over-h	reating)	
Pulse capability (The voltage rea the temperatur	reating)  Typically up to 5 A.  Addings may vary according to the pulse characteristics, and the cell's previous history. Fitting the cell with a be recommended in severe conditions. Consult Saft)	
Pulse capability (The voltage rea the temperatur	r: Typically up to 5 A.  adings may vary according to the pulse characteristics,  re and the cell's previous history. Fitting the cell with a	+30°C (+86°F) max +85°C (+185°F) max
Pulse capability (The voltage rethe temperatur capacitor may of Storage  Operating temp (Operation abov	r: Typically up to 5 A. adings may vary according to the pulse characteristics, re and the cell's previous history. Fitting the cell with a be recommended in severe conditions. Consult Saft)  (recommended) (possible without leakage)	
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Pulse capability (The voltage re- the temperatur capacitor may Storage  Operating temp (Operation abov voltage reading  Physical cha  Diameter (max)	r: Typically up to 5 A. adings may vary according to the pulse characteristics, re and the cell's previous history. Fitting the cell with a be recommended in severe conditions. Consult Saft)  (recommended) (possible without leakage)  perature range re ambient T may lead to reduced capacity and lower is at the beginning of pulses. Consult Saft)  racteristics	+85°C (+185°F) may -60°C/+70°C (-76°F/+158°F) 25.6 mm (1.01 in)



## G 52/3

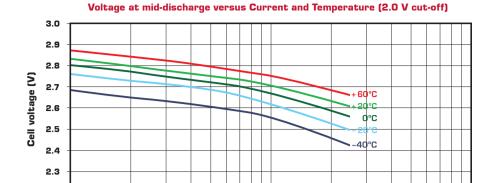




## **Handling precautions**

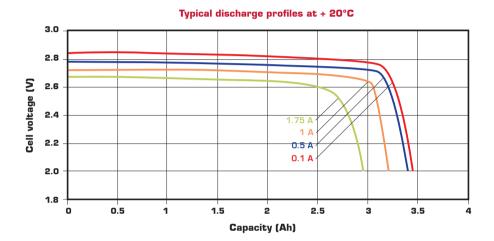
- Do not puncture, open or mutilate.

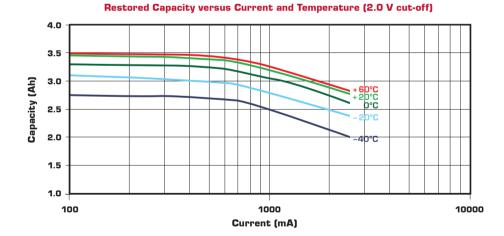
- Do not expose to fire or temperatures above +70°C (+158°F).



1000

Current (mA)





## • Cell is pressurised.

## • Do not short circuit or charge.

Doc. Nº 31092-2-1208

2.2

100

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<sup>•</sup> Do not obstruct the safety vent mechanism.