# 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

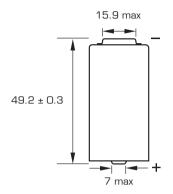
### **Main applications**

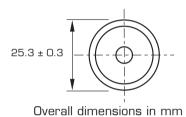
- Radiocommunications and other military applications
- Sonobuoys
- Life jacket lights
- Professional electronics
- Rescue devices

Cell size re	ference	R14 - C
Electrical char	racteristics	
(typical values rel	ative to cells stored for one year or less at +30°C max.,	)
Nominal capacity (at 1.0 A +20°C 2.0 V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off)		3.2 Ah
Open circuit volta	ge (at +20°C)	3.0 V
Nominal voltage	(at 0.5 A +20°C)	2.8 V
Nominal energy		8.96 Wh
Maximum recomi (to avoid over-hea	mended continuous current ting)	2.5 A
(The voltage read the temperature	Typically up to 5 A. ings may vary according to the pulse characteristics, and the cell's previous history. Fitting the cell with a recommended in severe conditions. Consult Saft)	
Storage	(recommended) (possible without leakage)	+30°C (+86°F) max +85°C (+185°F) max
• /	rature range ambient T may lead to reduced capacity and lower at the beginning of pulses. Consult Saft)	-60°C/+70°C (-76°F/+158°F)
Physical chara	cteristics	
Diameter (max)		25.6 mm (1.01 in)
Height (max)		49.5 mm (1.95 in)
Typical weight		47 g (1.6 oz)
Li metal content		1.2 g
	nes with protruding positive end-cap. vailable on request.	



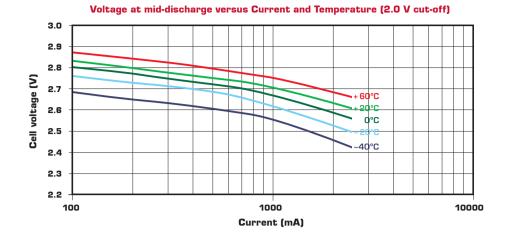
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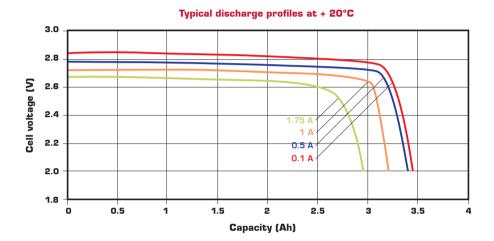


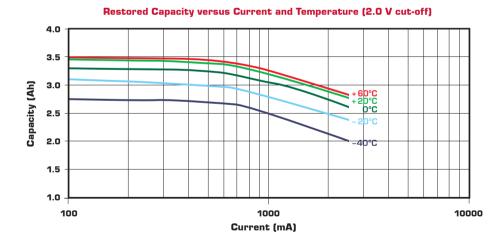


### Handling precautions

- 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).







### Saft Specialty Battery Group

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