# Li-SO<sub>2</sub> primary battery system BA 5600 A/U

Assembled from 3 LO 26 SX cells connected in series.



#### Key features

- A non-replaceable fuse is incorporated in the negative leg.
- A normally closed thermal fuse (TCO) is incorporated in the battery. It is non-replaceable and non-resetable.
- A diode is incorporated to prevent charging or flow of current into the battery.
- A device consisting of a manually activated switch and resistor designed to discharge the battery to O V is built into the battery.
- Made in the USA

## **Typical applications**

AN/PSC-2 Communications
Terminal

### **Electrical Characteristics**

Electrical O		
Typical OCV (V)		9.0
Nominal voltage (at 500mA) (V)		8.1
Cut-off (V)		4.0
Typical Capacity +21 °C / + 70 °F		7.5
(at 250 mA	discharge current)	
Operating temperature		-40° C to 71° C
		-40° F to 160° F
Storage	Recommended max	+35°C∕ +95°F
	Possible	-40° C to 71° C / -40° F to 160° F

# **Physical Characteristics**

**NSN Reference** 

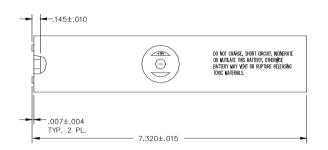
Typical Weight (g/oz)	360 / 12.7
Weight of Li metal content (g/oz)	7.2 / 0.25
Max. Width (mm/ in)	39 / 1.56
Max. Height (mm/ in)	186 / 7.34
Max. Depth (mm/ in)	
Battery Case	Plastic
References	
Reference specifications	MIL PRF 49471B (CR) or Saft Standard Specifications

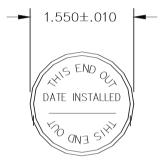


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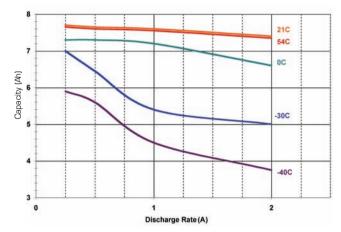
#### BA 5600 A/U dimensions

\*All measurements in inches

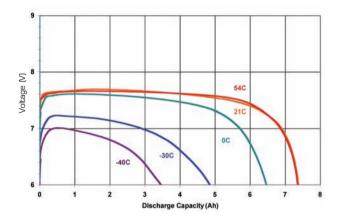




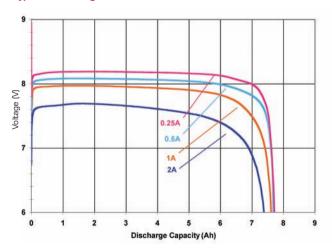
Capacity vs rate at various temperatures



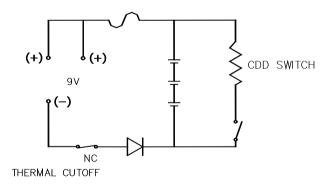
2 A discharge typical curves at various temperatures



Typical discharge curves at various rates at +21°C/+70°F



**Electrical schematic** 



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