Primary lithium battery LS 14250

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3.6 V Primary lithium-thionyl chloride (Li-SOCl₂) High energy density ½ AA-size bobbin cell



Benefits

- High voltage response, stable during most of the lifetime of the application
- Wide operating temperature range (-60°C/+85°C)
- Low self-discharge rate (less than 1 % per year of storage at +20°C)
- Easy integration into compact systems
- Superior resistance to atmospheric corrosion

Key features

- Stainless steel container and end caps (low magnetic signature)
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 60086-4 safety standard and IEC 60079-11 intrinsic safety standard (class T4 assignment)
- Underwriters Laboratories (UL)
 Component Recognition
- Non-restricted for transport/ Non-assigned to Class 9 according to the UN Recommendations on the transport of dangerous goods
 Model Regulations
- Manufactured in France, UK, China

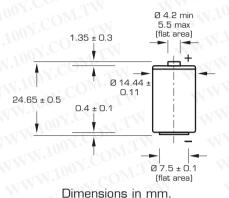
Main applications

- Utility metering
- Automatic meter reading
- Alarms and security devices
- Tollgate systems
- Memory back-up
- Computer real-time clocks
- Tracking systems
- Automotive electronics
- Professional electronics

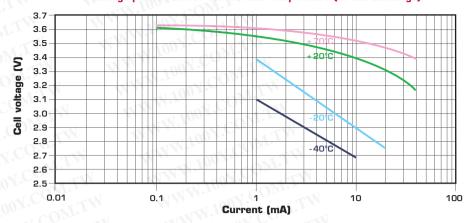
Cell size refe	rences	½ R6 – ½ AA
Electrical charac	teristics	
	ve to cells stored for one year or less at +30°C max.)	
	O V cut-off. The capacity restored by the cell varies t drain, temperature and cut-off)	1.20 Ah
Open circuit voltage	(at +20°C)	3.67 V
Nominal voltage	(at 0.1 mA +20°C)	3.6 V
Nominal energy	OM. TOWN COM	4.32 Wh
(100 mA/0.1 seco undischarged cells v 3.0 V. The reading temperature, and ti	ically up to 100 mA ind pulses, drained every 2 mn at +20°C from with 10 µA base current, yield voltage readings above is may vary according to the pulse characteristics, the the cell's previous history. Fitting the cell with a capacito, the in severe conditions. Consult Saft)	M.TW M.TW OM.TW
	ended continuous current e possible, consult Saft)	35 mA
Storage	(recommended) (for more severe conditions, consult Saft)	+30°C (+86°F) max
Operating temperature range (Operation above ambient 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 charact	eristics WWW	100Y.COM.TY
Diameter (max)	MM. COM TAI WAY	14.55 mm (0.57 in)
Height (max)	IMM. TON. COM. THE WAY	25.15 mm (0.99 in)
Typical weight	M. M. COM.	8.9 g (O.3 oz)
Li metal content	M. 100 COM.	approx. O.3 g
Available termination	n suffix CN, CNR 2 PF, 3 PF, 3 PF RP, 4 PF CNA (AX) FL radial pins axial leads flying leadsetc.	MM.100X.CO



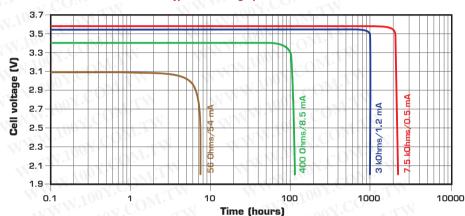
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Voltage plateau versus Current and Temperature (at mid-discharge)







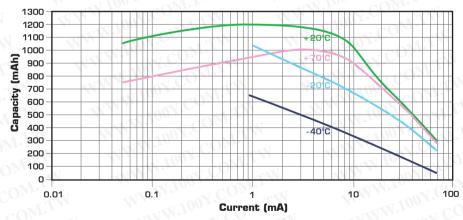
Storage

 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).

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



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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 Nº 31048-2.

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