



LST 17330

3.6 V Primary lithium - thionyl chloride (Li-SOCl₂) High Drain 2/3 A-size cells

For applications with continuous currents up to 80 mA, possibly combined with pulsing and exposure to extreme temperatures.

Key features

- High and stable operating voltage
- Superior drain capability
- Low self discharge rate (less than 1% after 1 year of storage at +20°C)
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety
- Underwriters Laboratories (UL) Component Recognition File Number MH 12802
- Non-restricted for transport

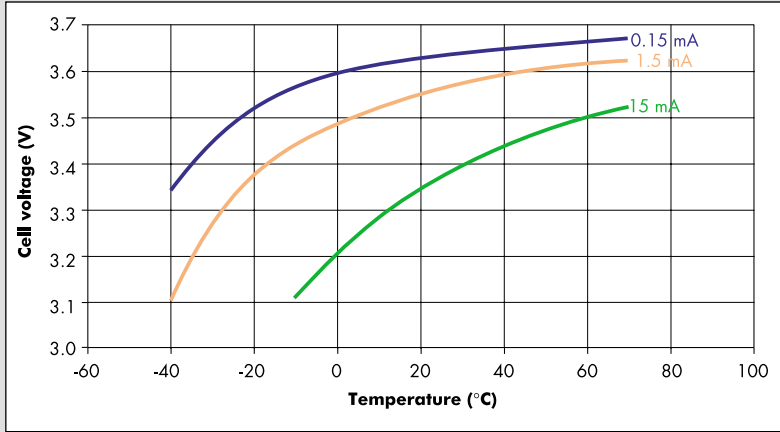
Main applications

- Utility metering
- Automatic meter reading
- Alarms and security devices
- Tollgate systems
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics
- ... etc.

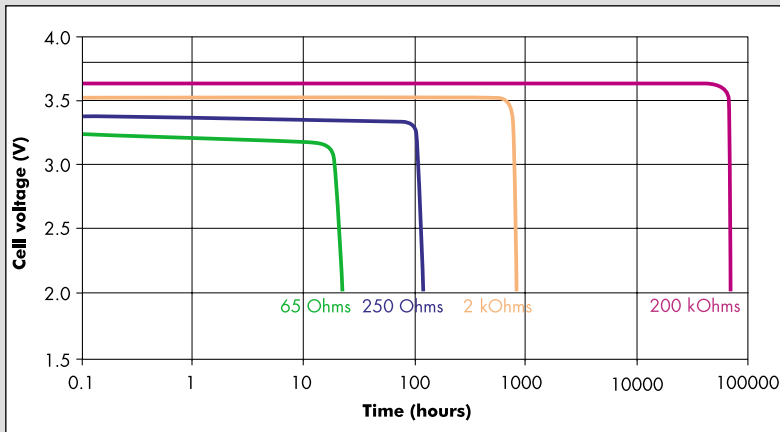
Cell size reference		2/3 A
Electrical characteristics		
<i>(typical values for cells stored for one year or less)</i>		
Nominal capacity		1.70 Ah
<i>(at 3 mA +20°C 2.0 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).</i>		
Open circuit voltage (at +20°C)		3.67 V
Nominal voltage (at 0.2 mA +20°C)		3.6 V
Maximum recommended continuous current		80 mA
<i>(to get 50 % of the nominal capacity at +20°C with 2 V cut off. Higher currents possible, consult Saft).</i>		
Pulse capability : <i>varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.</i>		
Storage	(recommended)	+30°C max
	(possible without leakage)	-60/+120°C
Operating temperature range		-60/+85°C
<i>(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses).</i>		
Physical characteristics		
Diameter (max)		16.45 mm (0.64 in)
Height (max)		33.35 mm (1.30 in)
Typical weight		14.4 g
Available termination suffix	CNR, CNR OP 2 PF, 3 PF, 3 PF RP CNA (AX)	rectangular radial tabs radial pins axial leads



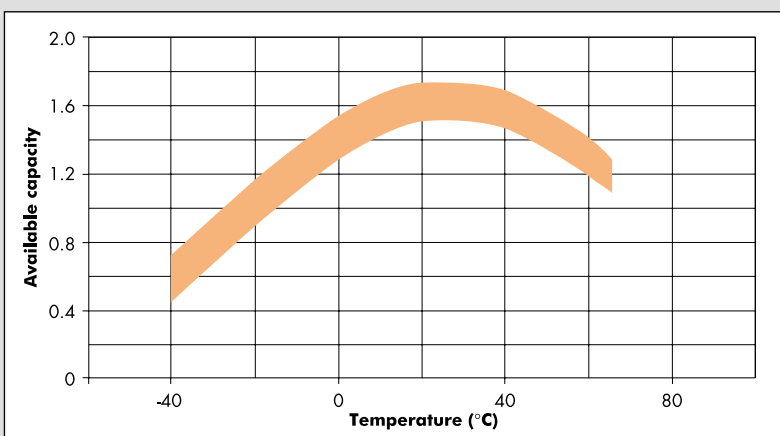
Voltage plateau versus Current and Temperature (at mid-discharge)



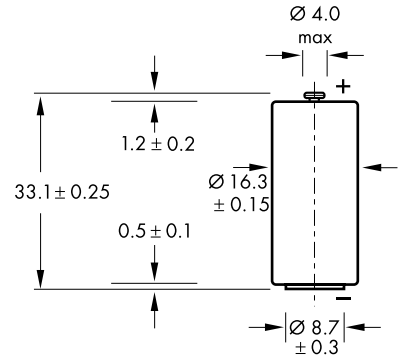
Discharge profiles at +20°C



Capacity released under 15 mA versus Temperature (2.0 V cut off)



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dimensions in mm



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