

## LS 33600LM

**3.6 V Primary lithium - thionyl chloride (Li-SOCl<sub>2</sub>) High Drain D-size cell with low magnetic signature**



For magnetism-sensitive applications with continuous currents up to 250 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)
- Stainless steel construction
- Hermetic glass-to-metal sealing
- Built-in safety vent
- Non-flammable electrolyte
- Restricted for transport
- Typical magnetic signatures  
200 nT (2 mGauss) at 6 mm  
10 nT (0.1 mGauss) at 127 mm  
3 nT (0.03 mGauss) at 300 mm

### Main applications

- Seismic surveying
- Oceanographic instrumentation
- Buoys
- Scientific equipment
- ... etc.

### Optional upon request

- Specific cell terminations
- Multi-cell battery packs

### Cell size reference

**R20 - D**

### Electrical characteristics

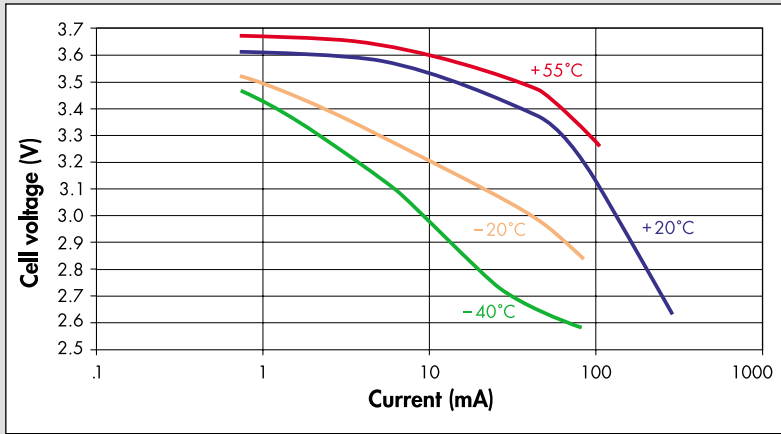
(typical values for cells stored for one year or less)

Nominal capacity	16.7 Ah
<i>(at 5 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 0.7 mA + 20°C)	3.6 V
Maximum recommended continuous current	250 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 : varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.	
Storage (recommended)	+ 30°C max
(possible without leakage)	- 60/+100°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>	
<b>Physical characteristics</b>	
Diameter (max)	33.3 mm (1.30 in)
Height (max)	60.1 mm (2.34 in)
Typical weight	90 g

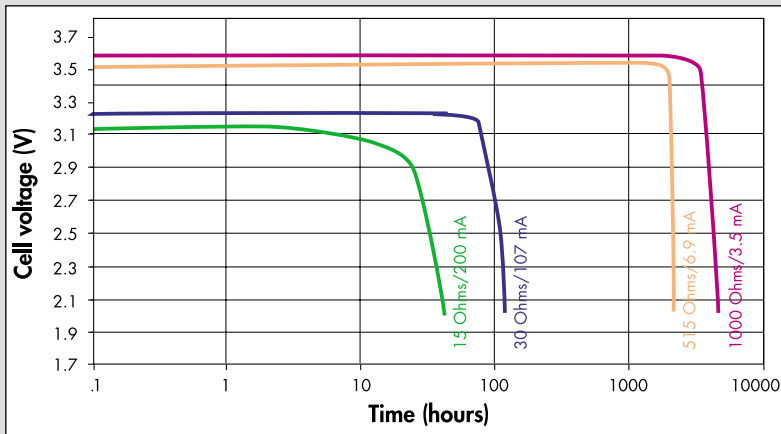


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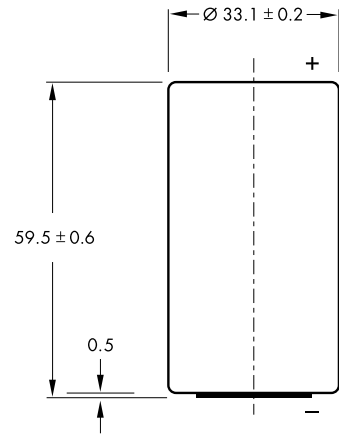
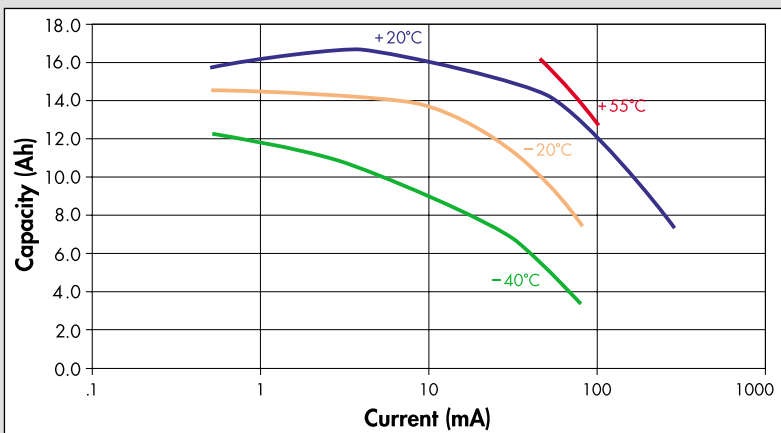
Voltage plateau versus Current and Temperature (at mid-discharge)



Discharge profiles at +20°C



Capacity versus Current and Temperature (2.0 V cut off)



dimensions in mm



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