

LS 33600

3.6 V Primary lithium thionyl chloride High Drain Capability D-size cell



For applications where quiescent current drains below 100 μ A, combined with 10-400 mA surimposed pulses are requested.

Key features

- 4.53 g./17.5 Ah of introduced lithium
- High discharge voltage
- Low self discharge rate (*less than 1% after 1 year of storage at +20°C*)
- Stainless steel container
- Hermetic glass-to-metal sealing
- Built-in safety vent
- Finished with or without a 2.5 A fuse (Fused version non restricted for transportation)
- Compliant with IEC 86-4 safety standard
- UL Component Recognition (File Number MH 12609)

Main applications

- Utility meters
- Automatic meter readers
- Automotive electronics
- Buoys
- GPS
- Measuring equipments
- Tracking systems
- Industrial applications
- ... etc.

Optional upon request

Low magnetism versions.

Cell size reference

R20 - D

Electrical characteristics

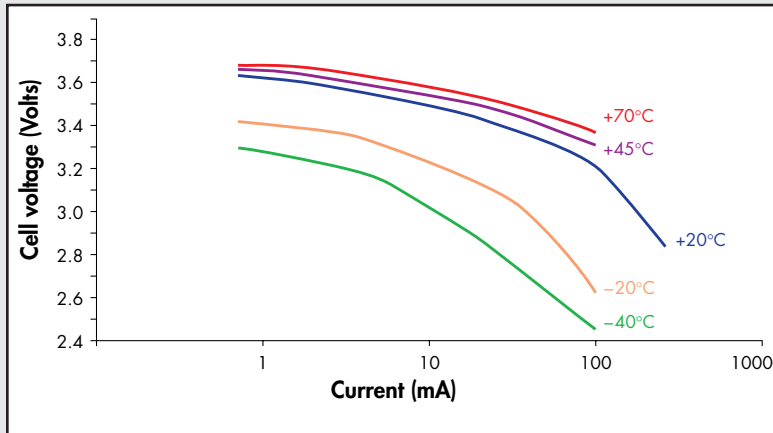
Nominal capacity (<i>at 5 mA +20°C 2.0 V cut off</i>)	16.5 Ah
Open circuit voltage	3.67 V
Nominal voltage (<i>at 0.7 mA +20°C</i>)	3.6 V
Maximum 1 sec./mn. pulse capability (<i>to stay above 2.5 V at +20°C</i>)	400 mA
Maximum recommended continuous current (<i>to get 50% of the nominal capacity</i>)	250 mA
Operating temperature range (<i>short excursions up to 100°C possible</i>)	-60/+85°C
Storage (<i>recommended possible</i>)	+30°C max -60/+100°C

Physical characteristics

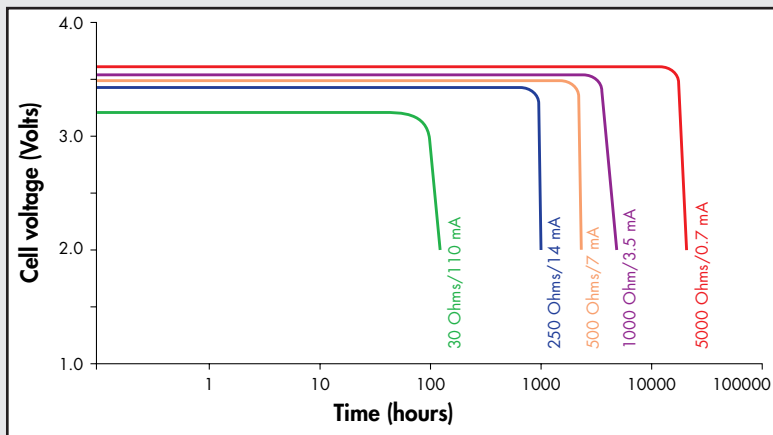
Diameter (<i>max</i>)	33.6 mm (1.32")
Height (<i>max fused version</i>)	61.3 mm (2.41")
Weight	90 g
Available terminations suffix	- CNA (AX) axial leads - CNR (ST) radial tabs - FL flying leads... etc.

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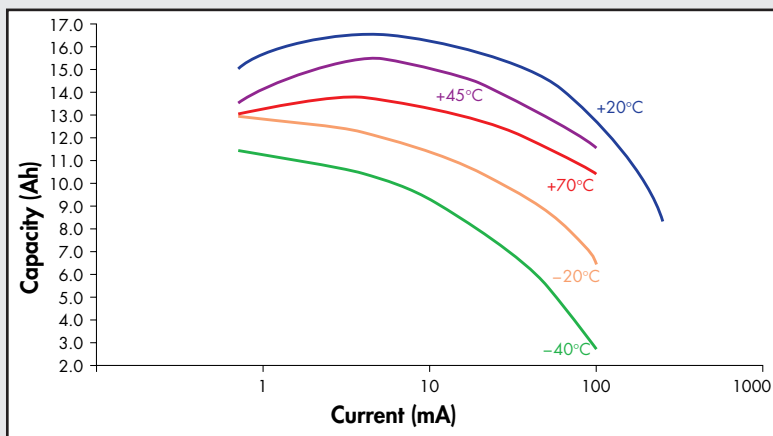
Cell voltage at mid-discharge versus Current and Temperature



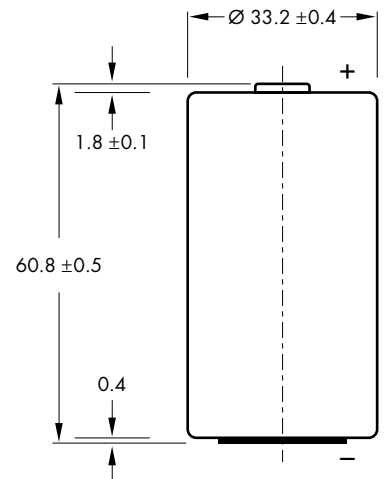
Discharge profiles at +20°C



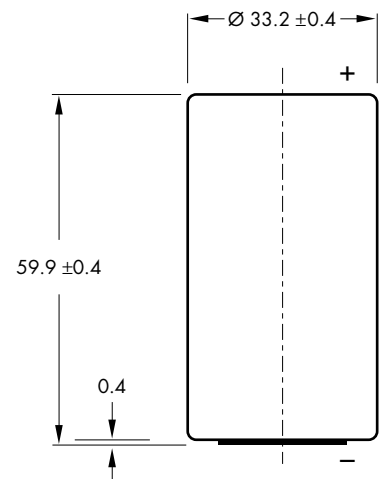
Capacity (2.0 V cut off) versus Current and Temperature



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Finished version with protruding positive end cap (fused) (mm)



Finished version without protruding positive end cap (unfused) (mm)

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