



LS 14500 LST 14500

**3.6 V Primary
lithium - thionyl
chloride (Li-SOCl₂)
High Drain
AA-size cells**

For applications with continuous currents up to 120 mA, possibly combined with pulsing and exposure to extreme temperatures.

Cell size reference

R6 - AA

Electrical characteristics

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

Nominal capacity 2.25 Ah

(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).

Open circuit voltage (at +20°C) 3.67 V

Nominal voltage (at 0.2 mA +20°C) 3.6 V

Maximum recommended continuous current 120 mA

(to get 50 % of the nominal capacity at +20°C with 2 V cut off. Higher currents possible, consult Sft).

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 Sft.

Storage (recommended) +30°C max
(possible without leakage) -60/+120°C

Operating temperature range -60/+85°C

(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses).

Physical characteristics

	LS 14500	LST 14500
Diameter (max)	14.65 mm (0.58 in)	14.55 mm (0.57 in)
Height (max)	50.3 mm (1.98 in)	49.80 mm (1.97 in)
Typical weight	16.2 g	17.4 g
Available termination suffix	CN, CNR, (STS) 2 PF, 3 PF, 3 PF RP, 4 PF CNA (AX) FL	radial tabs radial pins axial leads flying leads ...etc.

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 container
- 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
 - LS 14500 File Number MH 12609
 - LST 14500 File Number MH 12802
- Non-restricted for transport

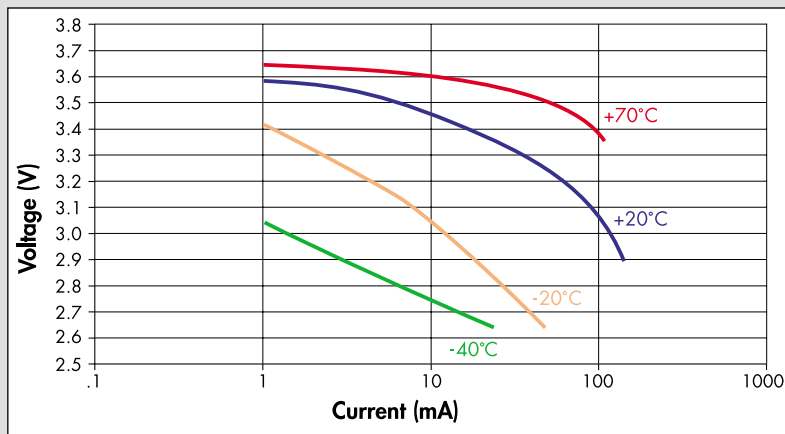
Main applications

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

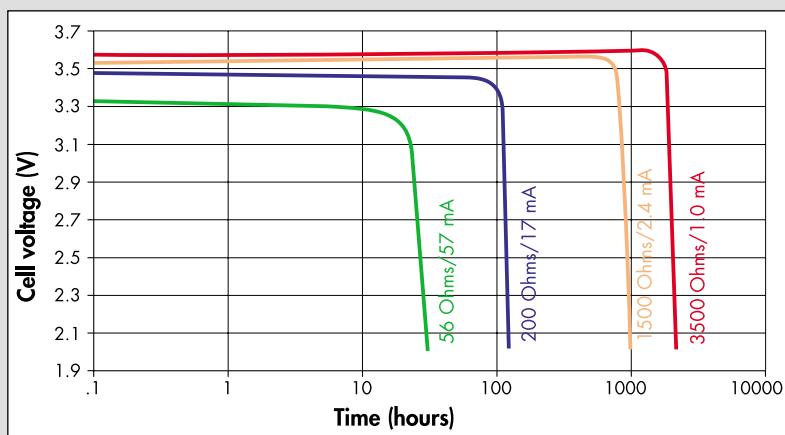


S F T

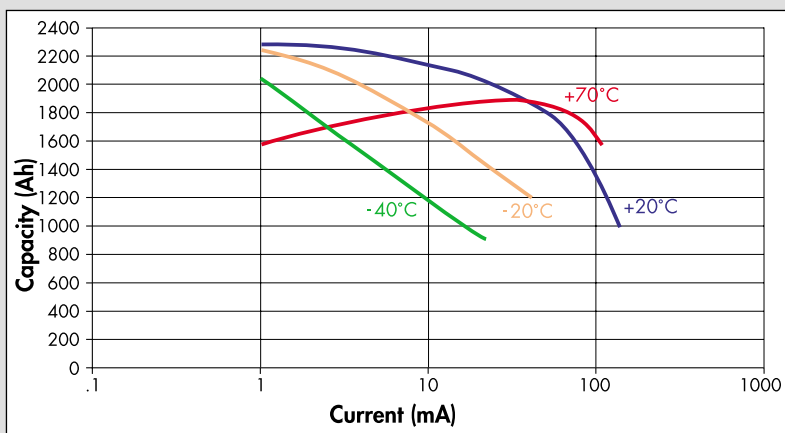
Voltage plateau versus Current and Temperature (at mid-discharge)



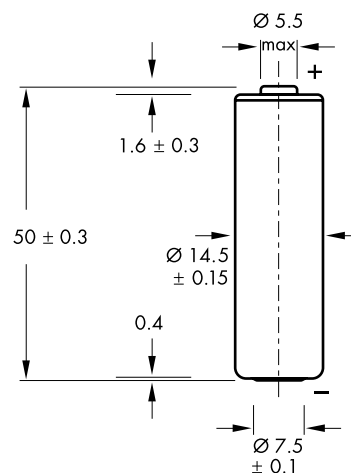
Discharge profiles at +20°C



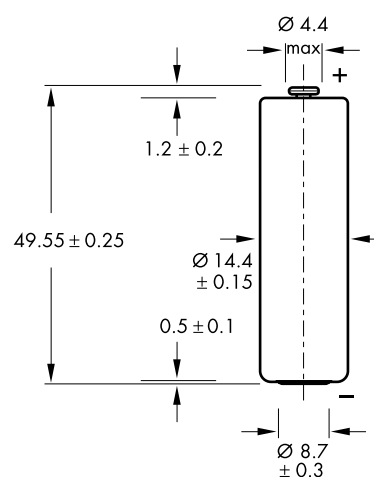
Capacity versus Current and Temperature (2.0 V cut off)



LS 14500



LST 14500



dimensions in mm



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Doc. N° 31038-2-1202
Published by the Communications Department

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