

LS 14250 C

**3.6 V Primary
lithium - thionyl
chloride (Li-SOCl₂)
High Capacity
½ AA-size cell**



For applications with continuous currents up to 12 mA, possibly combined with pulsing and exposure to temperatures not repeatedly exceeding +40°C.

Key features

- High and stable operating voltage
- High minimum voltage during pulsing
- Up to 20% more capacity than the high drain version
- 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
- Underwriters Laboratories (UL) Component Recognition (File Number MH 12609)
- Non restricted for transport

Main applications

- Utility metering
- Alarms and security devices
- Memory back-up
- Computer real-time clocks
- Tracking systems
- Automotive electronics
- Professional electronics
- ... etc.

Cell size reference

½ R6 - ½ AA

Electrical characteristics

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

Nominal capacity 1.2 Ah

(at 0.5 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 0.1 mA +20°C) 3.6 V

Maximum recommended continuous current 12 mA

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

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/+120°C

Operating temperature range -60/+40°C

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

Physical characteristics

Diameter (max) 14.5 mm (0.57")

Height (max) 24.8mm (0.98")

Typical weight 8.5 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.
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