

LS 33600 Primary Li-SOCI, cell

High energy density 3.6 V D-size bobbin cell

Saft's LS 33600 cell is ideally suited for long-term applications (typically from 5 to 20+ years), featuring low base currents and periodic pulses.

Benefits

- · High capacity and high energy (1185 Wh/l and 680 Wh/kg)
- High voltage response, stable during most of the lifetime of the application
- · Wide operating temperature range (-60°C / + 85°C)
- Low self-discharge rate, compatible with long operating life (less than 1% per year of storage, at + 20°C, after 1 year)
- Superior resistance to corrosion
- · Low magnetic signature

Key features

- Bobbin construction
- · Well controlled passivation
- · Hermetic construction with glass-tometal seal
- Stainless steel can
- Non-flammable electrolyte
- · RoHS and REACH compliance
- Made in France

Designed to meet all major quality, safety and environment standards

- · Safety: UL 1642, IEC 60086-4
- ATEX: IEC 60079-11 part 10.5 (T4 rating at 40°C)
- Transport: UN 3090 and UN 3091
- Quality: ISO 9001, Saft Excellence System, continuous program
- CE: P/N: 04262L

Typical Applications

- Utility Metering
- · Internet of Things
- · Alarms and security
- · Medical devices
- Tracking systems
- Professional electronics





Electrical characteristics ¹	
Nominal capacity (under 5 mA, +20°C, 2.0 V cut-off) ³	17 Ah
Open circuit voltage (at +20°C)	3.67 V
Nominal voltage (under 0.7 mA, + 20°C)	3.6 V
Nominal energy	61.2 Wh
Pulse capability ⁴	Up to 400 mA
Maximum recommended continuous current ⁷	250 mA
For battery sizing, consult Saft	
Operating conditions	
Operating temperature range ⁵	-60°C / +85°C (-76°F / +185°F)
Storage temperatures (max recommended) ⁶	+30°C (+86°F)
Physical characteristics ²	
Diameter (max)	33.3 mm (1.31 in)
Height (max)	61.5 mm (2.42 in)
Typical weight	90 g (3.2 oz)
Li metal content	approx. 4.5 g
Termination suffix	
CN, CNR	Radial tabs
2 PF, 3 PF, 3 PF RP, 4 PF	Radial pins
CNA	Axial leads
FL	Flying leads

Other configurations upon request

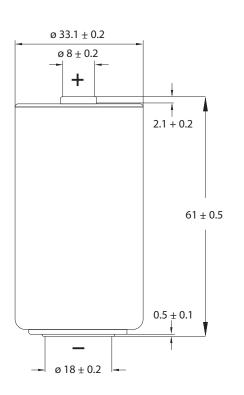
¹Typical values relative to cells stored up to one year at + 30°C max. ²Sleeved cell.

*Steeved cell. ³Dependent upon current drain, temperature, cut-off and cell orientation. ⁴Under 400 mA / 0.1 second pulses, drained every 2 minutes at + 20°C from undischarged cells during 24 h, with 10 µA base current, yield voltage readings above 3.0 V after initial stabilisation. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions or for high pulse currents. Consult Saft. ⁵Operation above ambient temperature may lead to reduced capacity and lower voltage readings. Consult Saft.

⁶For more severe conditions, consult Saft. ⁷If above this value, please consult Saft.



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Dimmensions in mm

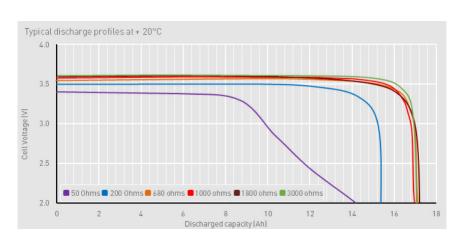
Storage

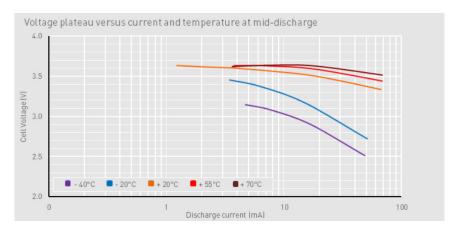
• The storage area should be clean, cool (preferably not exceeding +30°C), dry and ventilated.

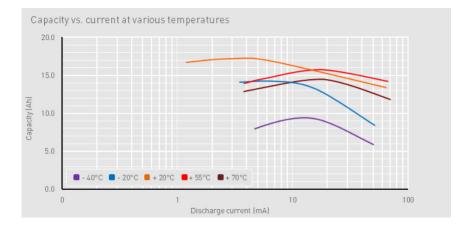
Warning

- Fire, explosion and severe burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water.
- Do not solder directly to the cell (use tabbed cell versions instead).
- Do not remove the cells from their original packing before use.
- Do not store the cells in bulk to avoid accidental short circuiting.
- Do not mix new and used cells or cells from different origins.
- Mind the polarities of the cell.









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