

Primary Lithium Battery

LS33600 3S1P Pack

10.8 V Primary (Non-Rechargeable) Lithium-Thionyl Chloride (Li-SOCl₂)

Benefits

- High voltage response, stable during most of the lifetime of the Application.
- High drain and pulse capability.
- Low self-discharge rate (less than 1% after 1 year Storage at +20°C.)

Key Features

- Three D-size LS33600 cells in 3S1P Configuration side by side, can be fully customised to suit customers Requirements.
- Safety feature, Hermetic spiral cell Construction with glass to metal Seal, non-flammable electrolyte, built-in safety vent, and stainless steel body. (3)
- Protection Devices: Fuse 2A
Diode 2A
- Fully customisable for cables, connectors.
- Other Pack formats Available on request.
- Restricted for transport (Class 9)
- Manufactured in UK.

Designed to meet all major quality, Safety and environment standards

- Transport: UN3090.
- UN tested assembly via similarity.
- Quality: ISO 9001, Saft world class Continuous program.
- Environment: ISO 14001, RoHS and REACH compliant.

Typical applications

- Tracking systems.
- Data loggers.

Note Of Caution

- Do not charge..
- Do not short circuit
- Do not disassemble

Saft

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Electrical characteristics

(Typical values related to batteries stored up to one year at +30°C max)

Typical capacity (at 15 mA, +20°C, 6.0 v cut-off)	17.0 Ah
Open circuit voltage (at +20°C)	11.01 V
Nominal voltage (at 2 mA +20°C)	10.8 V
Nominal energy (at 15 mA, +20°C, 6.0 v cut-off)	183.6 Wh
Maximum continuous discharge current (Typical) (1)	250 mA

Operating conditions

Operating temperature range	-60°C / +85°C (-76°F / +185°F)
Storage temperatures (Recommended) (2)	+30°C (+86°F) max

Physical characteristics

Length (Approx)	100 mm / 3.93 in
Height (Approx)	65 mm / 2.55 in
Width (Approx)	34 mm / 1.33 in
Battery case	Shrink Sleeve
Terminals	Cables with optional connectors
Battery weight (Typical)	324 grams
Lithium metal content	13.5 grams

References

Connector used for illustration	Molex 43645-0200
Cables (typical)	300mm +/- 10mm 24AWG (7/32)

- (1) To maintain cell heating within safe limits, battery packs may imply lower level of maximum current and may request specific thermal protection, Consult Saft.
- (2) Long-term storage at high temperature may effect performance, Consult Saft.
- (3) Other protection elements can be integrated on request, Consult Saft.



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