

# Lithium Thionyl Chloride Primary Battery Technology, Application & Market Review

## Report Content

Why Lithium metal as an anode?

Lithium primary cells advantages and limitations

Lithium Primary Cells Groups

Lithium primary cells applications

Lithium Thionyl chloride cells history & Chemistry background

Lithium Thionyl chloride cells/batteries applications

Lithium Thionyl chloride cells advantages and limitations

Lithium thionyl chloride cell raw materials

Lithium Thionyl Chloride cell available shapes/sizes (Bobbin, Spiral, Wafer, Flat).

Cells – case polarity, seals, current consumption, passivation, discharge and storage temperature ranges, self-discharge, shelf life

Some early Li/SOCI<sub>2</sub> Makers (~1985)

Comparison between Lithium Thionyl chloride cells to other chemistries

High Temperature (>100 deg c) Lithium Battery Applications

New Li/SOCI<sub>2</sub> research papers presented till 2018

32 Main Cell manufacturers detailed review – products, advantages, and limitations

Lithium Thionyl Chloride Prismatic cells + Manufacturers/Distributors of Li/Soci<sub>2</sub> flat prismatic cells

Hybrid solutions – Lithium Thionyl chloride cells in parallel to super capacitors – manufacturers review

Lithium Thionyl Chloride military batteries and manufacturers review

Lithium Thionyl chloride reserve batteries and manufacturers review

Market forecast and trends

Lithium Thionyl Chloride Cell UL Certifications

Lithium Thionyl chloride patents review (2011-2018)

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