

SCHOTT Super Slim Battery Lids for Cylindrical Cells

Create extra space for more electrolyte

- Tested with standard Lithium-Ion battery chemistries, e.g. NMC, LFP, as well as with standard liquid coolants
- Customizable designs for various sizes, e.g. 21700 or 4680

CONVENTIONAL BATTERY LID

GLASS-TO-METAL SEALED BATTERY LID



Also available:

Aluminium material combination with Alu lid and Alu or Cu pin



Simplified, robust lid design

Creates extra cell space for more electrolyte



Electrolyte- and cooling liquid-resistant glass sealing

Encapsulates the Lithium-Ion battery chemistry reliably



Inorganic glass-to-metal sealing

Withstands a broad temperature range



Glass-to-aluminium

Light-weight material with very good thermal properties and electrical conductivity

Second Life

With more electrolyte and a hermetic seal, the battery can maintain higher capacity and longer service life

Liquid immersion-cooled battery systems

Non-aging, inorganic glass sealing prevents liquid penetration into the cell

High temperature resistance

From -60° C to over 150° C

Reduced battery cell weight

Aluminium-based cell housing can save considerable weight for the entire battery pack and leads to higher C-Rates

Glass-to-metal sealed lids for Lithium batteries

For decades, glass-to-metal sealed lids have been used as the standard housing technology for high quality and high volume automotive Lithium Primary batteries as well as industrial grade Lithium-Ion batteries.

SCHOTT GTAS® / GTMS for Lithium-Ion batteries is a proprietary technology based on SCHOTT's expertise in glass-to-metal sealing since 1939.



SCHOTT AG
Christoph-Dorner-Strasse 29
84028 Landshut, Germany
Phone: +49 (0)871/826-376
claire.buckwar@schott.com
www.schott.com/gtas

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