

SCHOTT GTAS® Battery Cell Lids for Energy Storage Systems (ESS)

Designed to perform for years and years



Safe & robust

- Simple and economical design
- Superior robustness: specialty glass-to-metal seals for the battery terminals replace multiple organic polymer sealing parts



Long life = Reduced Total Cost of Ownership

- Non-aging, inorganic sealing material
- Maintains hermeticity on cell level for years (10⁻⁸ mbar × l/s helium-tightness)
- Designed to eliminate moisture intrusion



High temperature resistance

- From -40°C to over +125°C thanks to glass-sealed battery terminals



Easy to recycle

- Only glass and metals
- Lead-free
- Aluminium and/or copper

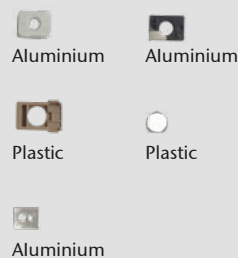
Conventional Battery Cell Lids



Anode Side



Cathode Side



GTAS Battery Lids

Simple & Rugged



Rugged industrial-grade battery lids

For decades, glass-to-metal sealed (GTMS) 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.

Glass-to-aluminium sealing (GTAS) is a proprietary technology based on SCHOTT's expertise in glass-to-metal sealing since 1939.

Specialty glass

Aluminium or copper pin

Aluminium can



If you want to know more, please get in touch with us.

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SCHOTT
glass made of ideas