

Continuous Glucose Monitoring (CGM)

Primary Silver Oxide Cells



Technical solution:
Silver Oxide Technology



Primary Silver Oxide Cells

VARTA provides over 30 years experience in the development and production of silver oxide button cells. Modern, fully-automated production lines help to make VARTA's silver oxide button cells one of the most reliable, low voltage power sources in the world. Thanks to the high-level quality process, these cells are designed with outstanding high quality which guarantees stable performance.

- Long running time
- Low self-discharge rate
- High reliability
- Constant voltage level
- Comprehensive assortment
- Innovative sealing technology
- Fully automatic and high-volume production lines
- Highly precise production
- Highest quality raw materials
- Different cell types in low- and high-drain version

Continuous Glucose Monitoring (CGM)

The continuous glucose monitoring is an alternative to the test strip technique in diabetes management. Typically, they use a microneedle to measure glucose concentration via a wearable patch that measures over time. The insertion is less painful due to its ability to stay in place up to 14 days.

Battery challenge:

Medical applications require a reliable energy source with a long running time to guarantee the best performance. The user needs to feel reassured that the battery will last as long as expected to provide the energy to communicate the patient statistics. Small form factor and weight is also highly desirable in a cell for smart patches. A partnership with VARTA is a key selling point for many of our customers.

For more information, please visit our website: www.varta-ag.com/en/industry/product-solutions/silver-oxide

Characteristics	Primary Silver Oxide Button Cells
Capacity / Voltage	6mAh-160 mAh @ 1,55V
Dimensions & Weight	4.8 - 11.6 mm diameter 1.2 - 5.4 mm height 0.13 - 2.33 g
Special Feature	Long running time & stable discharge characteristics
Self discharge	< 10% per year
Safety features	High reliability