

Smart Patches

Primary Silver Oxide Cells



Smart Patches

Wearable Smart Patches are used in the medical industry for short term and long term patient monitoring, from monitoring vital signs to patient glucose levels. Current trends show increasingly versatile functionalities, improved comfort, longer term use and miniaturization of these wearable devices.

Battery challenge

Guaranteed performance and reliability are key when selecting the right cell to use in a wearable smart patch. The user needs to feel reassured that the battery will last as long as expected and provide the energy needed to allow for communication of the patient statistics. Small form factor and weight is also highly desirable in a cell for smart patches.

For more information, please visit our website:

www.varta-ag.com/en/industry/product-solutions/silver-oxide

Technical solution

Primary Silver Oxide V377



CHARACTERISTICS	PRIMARY SILVER OXIDE
Capacity	24 mAh @ 1,55V
Dimensions & Weight	6.8 mm diameter 2.6 mm height 0.34 g
Special Feature	Long lifetime & stable characteristics
Self discharge	< 10% per year
Safety Features	High resistance to leakage

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 "made in Germany" cells are designed using a unique innovative sealing technology which guarantees their high resistance to leakage.

- Highest leakage resistance
- Constant voltage level
- Low self-discharge rate
- Long running time
- 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