

Water Meter



Technical solution:
Primary Lithium Cylindrical technology



Primary Lithium Cylindrical Batteries

Water Meter

A water meter measures the water consumption of its user for home and professional purposes. The electronic version of this measuring device provides additional features besides the measurement of the flow of water. The modern radio transmission of measurement values, average and peak values allows the user to analyze and influence their own use and also a very individual and specific billing of the consumption by the water company.

Battery challenge

The smart meters requires a long lasting and reliable energy source. The periodic and spontaneous radio transmission of data requires a battery with low standby losses and the ability to provide high pulse currents without voltage drops. VARTA offers a complete range of highly reliable primary Lithium batteries.

For more information, please visit our website:

www.varta-ag.com/en/industry/product-solutions/smart-metering

Characteristics	Primary Lithium Cylindrical
Capacity	1500 – 2400 mAh
Voltage	3 V
Dimensions	17 mm 33.5 – 45 mm
Special features	Highly reliable energy source for optimum performance
Temperature range	-40°C up to 70°C
Shelf life	Up to 10 years or more

Primary Lithium Cylindrical Batteries

These cells offer an excellent shelf life, a wide operating temperature range, low self discharge rates and a broad range of different sizes and capacities. Potential applications for these cells are devices in communication and wireless sensor applications. Based on the outstanding energy density, cell performance and reliability these cells have been able to meet the requirements of our customers worldwide.

- Low self discharge (less than 1 % per year at RT)
- Superior shelf life and operational life (up to 10 years and more)
- High capacity or high-rate cell construction
- Operation over a wide temperature range
- Battery designs in various assemblies for soldering or with wire connector
- All cells are UL recognized
- Product support worldwide is available for design engineers