

With VARTA into a Smart Future – Batteries for Metering Applications



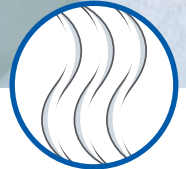
Water



Gas

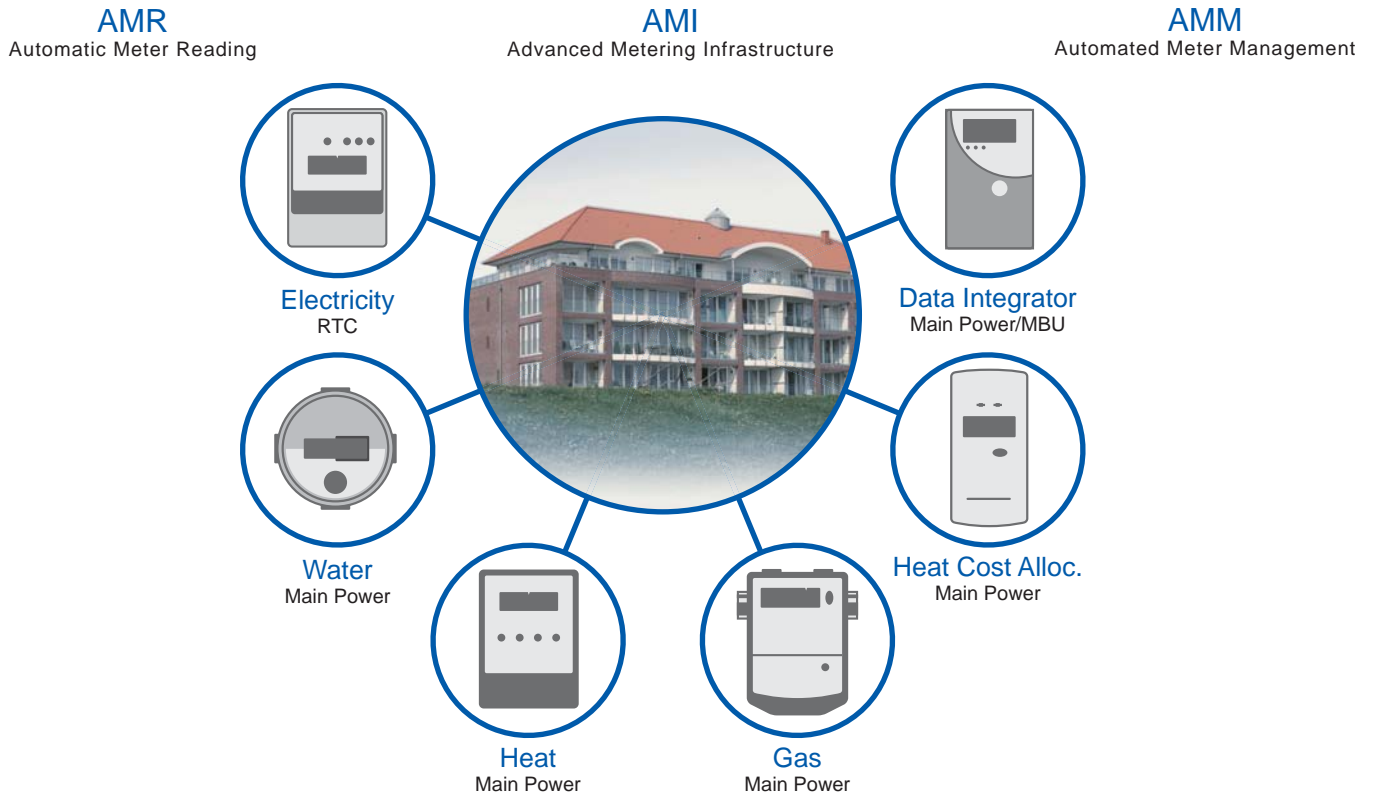


Electricity

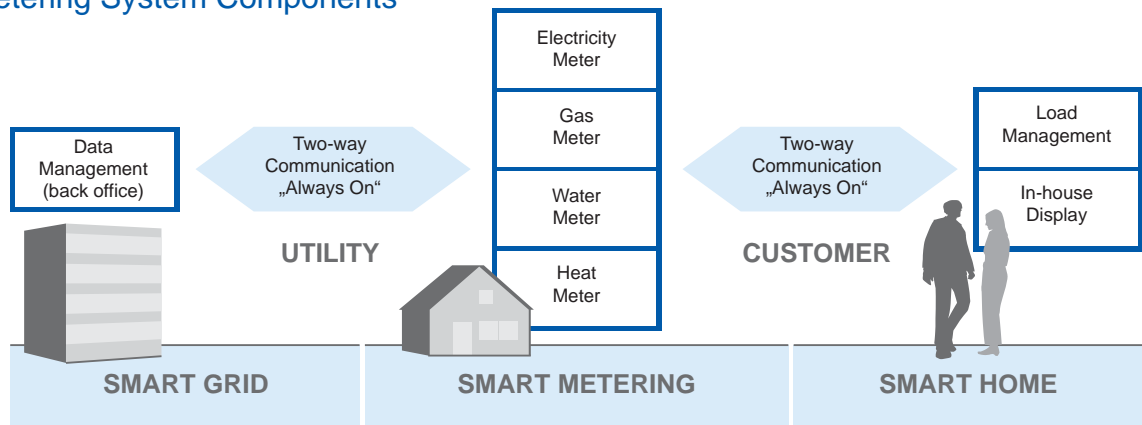


Heating

Modern communication and metering systems require reliable energy supply from VARTA Microbattery – the battery experts since more than 130 years.



Smart Metering System Components



VARTA Batteries provide Power

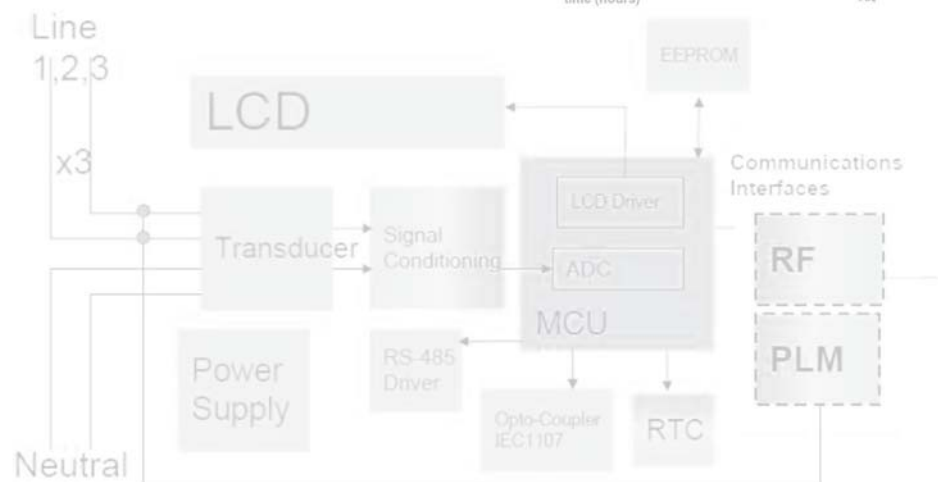
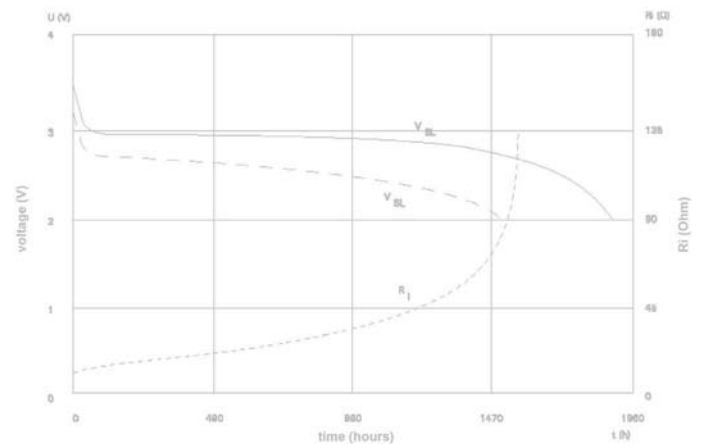
for gas-, water-, heat- and electricity meters as well as in heat cost allocators and communication modules

Key Features – Benefits Li-MnO₂

- Premium energy
- High-level safe products
- UL recognition
- Top performance with wide temperature range
- Superior shelf life and operational life
- High energy density
- Low self discharge
- Resistance to corrosive environments
- Patented mass production know-how
- Standard and customized solutions
- Wide range of application knowledge

VARTA offers dedicated “Design In Support”

- Optimal battery selection
- Battery Design In
- Battery specification
- Application tests
- Qualification
- Life time calculation



Product Overview of Batteries for Smart Metering Applications

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Weight (g)
Lithium Button Cells (Li-MnO ₂)						
CR coin series						
CR 1216	6216	3.0	27	12.50	1.6	0.7
CR 1220	6220	3.0	35	12.50	2.0	0.8
CR 1616	6616	3.0	55	16.00	1.6	1.2
CR 1620	6620	3.0	70	16.00	2.0	1.2
CR 2016	6016	3.0	90	20.00	1.6	1.8
CR 2025	6025	3.0	165	20.00	2.5	2.5
CR 2032	6032	3.0	230	20.00	3.2	3.0
CR 2430	6430	3.0	300	24.50	3.0	4.0
CR 2450	6450	3.0	620	24.50	5.0	6.2
Lithium Cylindrical Cells (Li-MnO ₂)						
CR mass / bobbin series						
CR 1/2 AA	6127	3.0	950	14.75	25.1	11.5
CR 2/3 AA	6237	3.0	1350	14.75	33.5	15.0
CR AA	6117	3.0	2000	14.75	50.5	21.5
CR coiled series						
CR 1/2 AA H-R	6213	3.0	850	14.22	25.0	9.0
CR 2/3 AH-R	6214	3.0	1600	17.00	33.5	17.0
CR AH-R	6217	3.0	2400	17.00	45.0	23.0
CR 123 A	6205	3.0	1550	17.00	34.5	17.0
CR 2	6206	3.0	850	15.60	27.0	11.0

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Representations and distributors in all major countries worldwide.
 Please see webpage.

VARTA Microbattery GmbH is a company of VARTA AG.



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