



Primary battery for smoke detector use:

Fire creates many dangers including heat, smoke and the toxic gas Carbon Monoxide CO. To prevent loss of life and avoid the damage caused by smoke and fire, a smoke detector must be reliable.

Therefore it is mandatory by law in several countries to install smoke detectors in new builds of houses and flats and also to upgrade existing buildings to have an appropriate early-warning system.

Battery challenge:

Today, the battery of choice is a 9V Block Primary Battery. However this is physically large, heavy, has a limited life time for the alkaline system and is high in cost for the lithium system. Further to this, modern electronics don't need a voltage level of 9V. The solution is a non replaceable single cell 3V Lithium Battery System. This embedded Lithium Primary Battery targets the new generation of Wireless Professional Smoke Detectors and provides up to 10 Years life time.

The battery has to cover the following sequences

- base/stand-by mode
- test mode
- end of life mode:
- alarm mode

Technical solution:

The CR 2/3 AH cell, from our Primary Lithium Cylindrical Family, with a capacity of 1500mAh and a lifetime up to 10 years, is specially designed for OEM main power longlife applications, e. g. smoke detectors, metering, automotive, etc.



Characteristics	CR 2/3 AH PCBD
Voltage level	3.0V [MnO ₂]
Max. cont. discharge current	1500mA
Capacity	1500mAh
Discharge Temperature range	-20° < v < +65°C
Weight	16g
Standard	UL approved

Smoke detector battery:

VARTA Microbattery Lithium MNO₂ Batteries offer extended battery life time solutions with reliable power supply for long life energy demand and maintenance free use in dedicated OEM applications.

- reliable Li-MNO₂ System
- low self discharge rate
- wide temperature range
- high current capability
- long life time up to 10 Years
- enviromental friendly
- no passivation
- UL recognized

For further details, please contact VARTA Microbattery or find us at: <http://www.varta-microbattery.com>

Smoke Detector

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [varta](#) manufacturer:

Other Similar products are found below :

[56456 702 099](#) [18750](#) [4610 726 406](#) [CA311-PB](#) [CA312-PB](#) [LCD-CHARGER + 4XAA 2400MAH](#) [449915B](#) [4607 726 406](#) [55171403014](#)
[55625603059](#) [55615602940](#) [MINI CHARGER + 2XAA 2100MAH](#) [MINI-CHARGER](#) [17730](#) [LCD-SMART-CHARGER](#) [414086X](#) [CG511D-](#)
[030-PB](#) [POCKET-CHARGER + 4XAA 2100MAH](#) [458980A](#) [LCD MULTI CHARGER](#) [CG511-150-PB](#) [EE UNIVERSAL CHARGER](#)
[CG401D-050-PB](#) [CG511-050-PB](#) [CU303-018-PB](#) [CG381D-G-100-PB](#) [413675G](#) [CU202-030-PB](#) [55615603059](#) [CG381D-G-150-PB](#)
[CG481G-050-PB](#) [CA317-PB](#) [CG511D-100-PB](#) [CU201G-B-030-PB](#) [095668F](#) [4600 726 406](#) [CG511-030-PB](#) [CA418-PB](#) [CG481G-030-PB](#)
[CG511D-150-PB](#) [CG381D-G-050-PB](#) [CU302-030-PB](#) [CG341-030-PB](#) [20389101501](#) [CU201G-B-050-PB](#) [CA089-PB](#) [CU202G-B-030-PB](#)
[CG511-100-PB](#) [CG341-018-PB](#) [4120 210 501](#)