

Car Alarm Battery



Technical solution:
NiMH Button Cells Technology



NiMH Button Cells

Backup Battery for Car Alarm Siren

Car alarm systems are essential accessories to most of the medium and high class vehicles due to increase of criminal energy on to open and steal these precious property. For alarm sirens in the car the reliability of the system and the secure availability in case of attack is an essential feature for the owner. This requires reliable backup batteries for sensible alarm operations under these special automotive ambient conditions.

Battery challenge

The main challenges for the battery are the continuously available, fully charged battery at and extended ambient temperature, leakagefree consistency in performance, up to 10 years of lifetime, high reliability, easy charging, and low service effort. New generation of NiMH HT Button Cell batteries offer high resistance to extended ambient temperature stress due to the special sealing construction with new plastic materials while the patented GCE electrode design gives high overcharge stability for simple charging solutions.

For more information, please visit our website:
<https://www.varta-ag.com/de/industrie/produktloesungen/nickel-metallhydrid>

Characteristics	6/V 150 H
Voltage level	1.2V (other voltages possible)
Cont. discharge current	280mA cont., 1.5A peak
Capacity	150mAh
Discharge Temperature range	-20°C to +85°C
Overcharge capability	4.2 mA cont. at 45°C for 3 years
Weight per cell	6g

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VARTA Microbattery's NiMH V 150 HT batteries (robust85 family) offer rechargeable battery solutions with reliable power for supplying car alarm siren solutions for reliable use in automotive environment.

- wide temperature range from -20 to +85°C
- long lifetime – up to 6 years and above
- high reliability – by special sealing construction with new plastic materials
- Extended shelf life by the use of robust mass type electrode design
- High overcharge capability by patented GCE electrode
- design flexibility on battery shape side-by-side or stacked, SMD mounting or wire connector
- simple charging system continuous charging possible
- ROHS compatible
- Halogen and Perchlorate free
- UL recognized cell
- environmentally friendly NiMH technology