

GPS-Tracker



NiMH Button Cells

Energy for GPS-Tracker

Protection of property be it a car or a solar energy harvester installation is becoming an important factor due to increasing crime rates all over the world. New developments like small and independent GPS tracker with a GSM or GPRS modem and built in antenna provide perfect solution for better protection and faster reaction to stolen goods tracking.

Battery challenge

In case the Tracker is not continuously connected to main power or powered by energy harvesters like solar cells or aerogenerators, there is a need for reliable and environmentally independent energy storage device. Charging and discharging at extreme temperatures and humidity conditions are needed with high peak discharge currents for the Modem, while voltage and supply currents must be individually adaptable.

Technical solution:

NiMH Button Cells Technology

For more information, please visit our website

www.varta-ag.com/de/industrie/produktloesungen/nickel-metallhydrid



Characteristics	Battery 3/V500 HT
Voltage	3.6V
Capacity	500 mAh
Peak current	1.5 A
Discharge temperature	-20°C to +85°C
Size	72,5mm x 35mm x 7mm
Weight	46g
Additional features	Temperature Sensor, Short Circuit Protection, Connector

GPS Tracker Battery

VARTA Microbattery's NiMH High Temperature, High Current Batteries (Powerful85 family) offer rechargeable battery solutions with reliable power for supplying independent electronic GPS Tracker. Recommended configurations: 3/V500HT, 4/V500HT or other versions where size and voltage can be adjusted to customer's needs.

- wide temperature range -20 to +85°C
- long lifetime – up to 3 years @ 45°C
- high reliability – by fully automated cell production in Germany
- high discharge current (Powerful85 family)
- design flexibility on voltage level from 1.2V to > 4.8V
- design flexibility on battery shape side-by-side or stacked
- simple charging system continuous charging possible
- UL recognized cell, ROHS compatible
- Halogen and Perchlorate free
- environmentally friendly NiMH technology