Nickel-Metal-Hydride (NiMH) Rechargeable 9V Battery

The VARTA 9V Block is more than a Battery – it is the world’s most consumer-friendly power pack. It is the only 9V block that combines the advantages of primary Alkaline batteries and traditional secondary NiMH systems. With its unique modern Button Cell technology, the VARTA 9V battery vastly outperforms competition in everyday use.

Consumer Friendly

- Very low self discharge and unmatched shelf life
- Only the VARTA 9V battery can be sold pre-charged and Ready4Use, without the need of initial charging
- Only the VARTA 9V battery will provide reliable power even if not used for months
- Can be re-charged more than 1000 times (IEC)

Key Features

- Overcharge capability: cost-effective charging system without the need for special components, thanks to patented GCE electrode
- Deep discharge capability: longer shelf life with high capacity retention after deep discharge
- Safety: built-in pressure vent guarantees absolute safety in case of mistreatment

Quality – Made in Germany

- Manufactured on highly automated lines
- Direct replacement for NiCd
- No memory effect
- 0% lead, 0% mercury and 0% cadmium
- UL recognition under file BBET2.MH13654

Product Overview

<table>
<thead>
<tr>
<th>Type Designation</th>
<th>Type No.</th>
<th>Voltage (V)</th>
<th>Capacity (mAh)</th>
<th>Height (mm)</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Weight (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ready4Use V 7/8 H</td>
<td>05122</td>
<td>8.4</td>
<td>180</td>
<td>15.7</td>
<td>48.5</td>
<td>26.6</td>
<td>48.0</td>
</tr>
<tr>
<td>Accu Ultra V 7/8 H</td>
<td>05622</td>
<td>8.4</td>
<td>150</td>
<td>15.7</td>
<td>48.5</td>
<td>26.6</td>
<td>47.0</td>
</tr>
</tbody>
</table>

www.varta-microbattery.com
Comparison of Cycle Stability: 150 mAh / 180 mAh Version

![Graph comparing cycle stability of 150 mAh and 180 mAh versions of VARTA NiMH 9V batteries with competitors.]

- Lower initial capacity but significant longer cycle life
- Higher initial capacity but significant lower performance
- For highest customer satisfaction even after > 500 cycles

Comparison of Self Discharge

![Graph comparing self-discharge of VARTA 9V 180 mAh and 150 mAh batteries with competitors after 6 months and 12 months storage at room temperature.]

- Ready for use in your application even after 1 year of shelf life

Contact

**Headquarters**
VARTA Microbattery GmbH, Daimlerstr. 1, 73479 Ellwangen, Germany
Tel +49 7961 921-0
Fax +49 7961 921-553

**Americas**
VARTA Microbattery Inc.
555 Theodore Fremd Avenue
Suite C 304 Rye, NY 10580, USA
Tel +1 914 592 25 00
Fax +1 914 345 04 88

**Asia Pacific**
VARTA Microbattery Pte. Ltd.
300 Tampines Avenue 5, #05-01 Income @ Tampines Junction, 529653 Singapore
Tel +65 6 260 58 01
Fax +65 6 260 58 12

www.varta-microbattery.com