### VH 1800 AA
Rechargeable Cylindrical Cells (NiMH)

<table>
<thead>
<tr>
<th>Type Number</th>
<th>55123</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation IEC</td>
<td>HR 15 / 51</td>
</tr>
<tr>
<td>System</td>
<td>NiMH</td>
</tr>
<tr>
<td>UL Recognition</td>
<td>MH13654</td>
</tr>
<tr>
<td>Nominal Voltage</td>
<td>1.2 V</td>
</tr>
<tr>
<td>Rated Capacity (0.2 C / 1.0 V)</td>
<td>1800 mAh</td>
</tr>
</tbody>
</table>

**Impedance AC at 1 kHz, fully charged**
< 26 mOhm

**Typical Capacity at**
0.2 C / 1.00 V
1850 mAh

**Max Discharge Current (cont. / 1.0 V)**
5400 mA

**Dimensions**
- Diameter (a): 14.5 ± 0.7 mm
- Height (b): 49.2 ± 1.0 mm
- Cap Diameter (d): 6.5 mm
- Weight, approx: 27 g

**Charge Conditions**
- Standard Charge: 180 mA / 16 h (t_{max})
- Fast Charge: 900 mA to 1800 mA (0.5 to 1 C)
  - \(-\Delta U = 0 – 5\) mV
  - \(DT / dt = 0.8 ^\circ C / min\) (0.5 to 0.9 C)
  - \(0.8 ^\circ C – 1 ^\circ C / min\) (1 C)
- Temp. cut-off: 45 – 50 °C
- Timer: 105 % nominal input
- 90 - 180 mA

**Temperature Range**
- Storage: 1 Year
  - 1 Year: -20 °C - +25 °C
  - 6 Month: -20 °C - +35 °C
  - 1 Month: -20 °C - +45 °C
- (1) recharge every 6 months
  - Charge: 0 °C - 45 °C
  - Fast Charge: 10 °C - 45 °C
  - Discharge: -20 °C - 50 °C

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All Data contained herein is for single cells
For battery applications, performance data may vary from single cell data, depending on specific battery configuration