



**Designation IEC:**

**HR 03**

Size:.....	<b>AAA</b>
Nominal Voltage:.....	<b>1.20 V</b>
Rated Capacity:.....	<b>800 mAh</b>
Internal Resistance DC, fully charged:.....	<b>45 mOhm</b>
Impedance AC at 1kHz, fully charged:.....	<b>25 mOhm</b>

**Typical Capacity at:**

0.2 C / 1.00 V:.....	<b>800 mAh</b>
1.0 C / 0.97 V:.....	<b>720 mAh</b>
Max Discharge Current (continuous / 0.8 V):.....	<b>1.6 A</b>

**Charge Retention:**

After one year 75% of initial capacity at 20° C determined at 0.2 C rate

**Dimensions (including shrink sleeve/label):**

Diameter	a:.....	<b>10.5<sub>-1.0</sub> mm</b>
Height	b:.....	<b>44.5<sub>-1.2</sub> mm</b>
Shoulder Height	c:.....	<b>43.7<sub>-1.2</sub> mm</b>
Cap Diameter	d:.....	<b>3.8<sub>-1.8</sub> mm</b>
Volume:.....		<b>3.5 cm<sup>3</sup></b>
Weight approx:.....		<b>12 g</b>
Energy Density:.....		<b>274 Wh/l</b>
Specific Energy:.....		<b>74 Wh/kg</b>

**Charge Conditions at:**

Standard Charge:.....	<b>80 mA, 15 h</b>
Fast Charge:.....	<b>800 mA (-dV)</b>
Trickle Charge (0.03 - 0.05 C):.....	<b>24 – 40 mA</b>

**Temperatures (recommended / permissible) at:**

Storage:.....	<b>-20° C ... 25° C / -20° C ... 40° C</b>
Charge:.....	<b>15° C ... 30° C / 0° C ... 45° C</b>
Fast Charge:.....	<b>15° C ... 30° C / 0° C ... 40° C</b>
Discharge:.....	<b>0° C ... 40° C / 0° C ... 50° C</b>

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