


**Designation IEC (Draft):**
**HR 6**

Size:..... **AA**  
 Nominal Voltage:..... **1.2 V**  
 Rated Capacity:..... **2100 mAh**  
 Internal Resistance DC, fully charged:..... **45 mOhm**  
 Impedance AC at 1kHz, fully charged:..... **36 mOhm**

0.2 C / 1.00 V:..... **2100 mAh**  
 1.0 C / 0.90 V:..... **1900 mAh**  
 Max Discharge Current (continuous / 0.8 V):..... **4.8 A**  
 Max Short Time Current (2 sec / 0.75 V):..... **8.0 A**

**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:..... **14.5<sup>-1.0</sup> mm**  
 Height b:..... **50.5<sup>-1.0</sup> mm**  
 Shoulder Height c:..... **48.3<sup>-1.0</sup> mm**  
 Cap Diameter d:..... **5.5<sup>-0.5</sup> mm**  
 Volume:..... **8 cm<sup>3</sup>**  
 Weight approx:..... **28 g**  
 Energy Density:..... **315 Wh/l**  
 Specific Energy:..... **90 Wh/kg**

**Charge Conditions at:**

Standard Charge:..... **210 mA, 16 h**  
 Fast Charge:..... **2100 mA ( -dV )**  
 Trickle Charge (0.03 - 0.05 C):..... **63 – 105 mA**

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

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

**Life Expectancy at Cycling, IEC 61951:**
**more than 500**