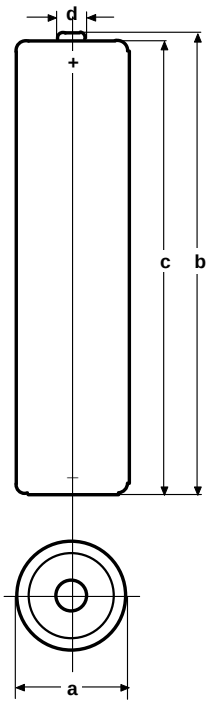
VARTA
CONSUMER BATTERIES

Data Sheet Sealed rechargeable Ni-MH Cylindrical Cell / Ready2Use 5716



Designation IEC:	**HR 6**
Size:	**AA**
Nominal Voltage:	**1.2 V**
Rated Capacity:	**2600 mAh**
Internal Resistance DC, fully charged:	**60 mOhm**
Impedance AC at 1kHz, fully charged:	**35 mOhm**
0.2 C / 1.00 V:	**2600 mAh**
1.0 C / 0.90 V:	**2400 mAh**
Max Discharge Current (continuous / 0.8 V):	**5.2 A**

Charge Retention:

After one year 65% of initial capacity at 20º C determined at 0.2 C rate

Dimensions (including shrink sleeve/label):

Diameter a:	**14.5 $_{-1.0}$ mm**
Height b:	**50.5 $_{-1.3}$ mm**
Shoulder Height c:	**49.5 $_{-1.3}$ mm**
Cap Diameter d:	**5.5 $_{-1.3}$ mm**
Volume:	**8 cm^3**
Weight approx:	**32 g**

Charge Conditions at:

Standard Charge:	**260 mA, 16 h**
Fast Charge:	**2600 mA (-dV)**
Trickle Charge (0.03 - 0.05 C):	**78 – 130 mA**

Temperatures (recommended / permissible) at:

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

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