



Designation IEC:

HR 03

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

Typical Capacity at:

0.2 C / 1.00 V:.....	800 mAh
1.0 C / 0.97 V:.....	720 mAh
Max Discharge Current (continuous / 0.8 V):.....	1.6 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:.....	10.5_{-1.0} mm
Height	b:.....	44.5_{-1.2} mm
Shoulder Height	c:.....	43.7_{-1.2} mm
Cap Diameter	d:.....	3.8_{-1.8} mm
Volume:.....		3.5 cm³
Weight approx:.....		12 g
Energy Density:.....		274 Wh/l
Specific Energy:.....		74 Wh/kg

Charge Conditions at:

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

Temperatures (recommended / permissible) at:

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

No publication or circulation of data to third parties without consent of VARTA Consumer Batteries