



Designation IEC:

HR 20

Size:..... **D**
 Nominal Voltage:..... **1.2 V**
 Rated Capacity:..... **3000 mAh**
 Internal Resistance DC, fully charged:..... **40 mOhm**
 Impedance AC at 1kHz, fully charged:..... **30 mOhm**

Typical Capacity at:

0.2 C / 1.00 V:..... **3000 mAh**
 1.0 C / 0.97 V:..... **2850 mAh**
 Max Discharge Current (continuous / 0.8 V):..... **6.0 A**

Dimensions (including shrink sleeve/label):

Diameter a:..... **34.2 ^{-1.9} mm**
 Height b:..... **61.5 ^{-2.0} mm**
 Shoulder Height c:..... **60.0 ^{-2.0} mm**
 Cap Diameter d:..... **9.5 ^{-1.7} mm**
 Volume:..... **55 cm³**
 Weight approx:..... **73 g**
 Energy Density:..... **65 Wh/l**
 Specific Energy:..... **46 Wh/kg**

Charge Conditions at:

Standard Charge:..... **300 mA, 16 h**
 Fast Charge:..... **3000 mA (-dV)**
 Trickle Charge (0.03 - 0.05 C):..... **90 - 150 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**

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