



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:.....	59.5_{-2.0} mm
Cap Diameter d:.....	9.5_{-0.5} mm
Volume:.....	55 cm³
Weight approx:.....	82 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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