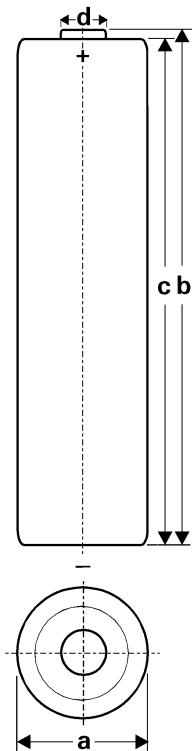


Data Sheet



Designation IEC (Draft) :	HR 15/49
Size:	AA
Order No:	55112 201 052
Nominal Voltage:	1.2 V
Rated Capacity (0.2C / 1.0 V):	1200 mAh
Internal Resistance DC, fully charged:	50 mOhm
Impedance AC at 1kHz, fully charged:	30 mOhm
Typical Capacity at:	
0.2 C / 1.00 V:	1300 mAh
1.0 C / 0.97 V:	1250 mAh
2.0 C / 0.95 V:	1220 mAh
3.0 C / 0.90 V:	1190 mAh
Max Discharge Current (continuous/0.8 V):	3.5 A
Max Short Time Current (2 sec/0.75 V):	6 A
Dimensions (including shrink sleeve/label)	
Diameter a:	14.4 -0.6 mm
Height b:	48.95 -0.8 mm
Shoulder Height c:	48.2 -0.9 mm
Cap Diameter d:	7.5 -1.0 mm
Volume:	7.58 cm ³
Weight, approx:	26 g
Energy Density:	206 Wh/l
Specific Energy:	60 Wh/kg
Charge Conditions at:	
Standard Charge:	120 mA, 14-16 h
Accelerated Charge:	360 mA, 4.75 h
Fast Charge:	1200 mA (dT/dt, -dV)
Trickle Charge (0.03-0.05 C):	36 - 60 mA
Temperatures (recommended / permissible) at:	
Storage:	-10 °C ... 35 °C / -20 °C ... 35 °C
Charge:	15 °C ... 30 °C / 0 °C ... 45 °C
Fast Charge:	15 °C ... 30 °C / 10 °C ... 45 °C
Discharge:	-10 °C ... 45 °C / -20 °C ... 60 °C
Life Expectancy at Cycling:	more than 500 cycles (analogous to IEC 285)

All data contained herein is for single cells.

For battery applications, performance data may vary from single cell data, depending on specific battery configuration.