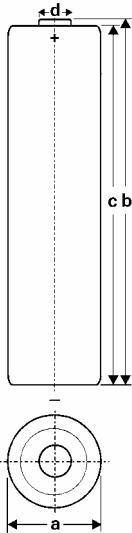


Data Sheet



Type Number: 55112
Designation IEC System HR 15/49 NiMH Battery

Nominal Voltage: 1.2 V
Rated Capacity (0.2C / 1.0V): 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: 1240 mAh

Max Discharge Current (cont./1.0V): 3500 mA
Max. Short Time Current (2sec/0.75V): 6000 mA

Dimensions:
Diameter (a): 14.5 -0.7 mm
Height (b): 49.1 -1.0 mm
Shoulder Height (c): 48.4 -1.0 mm
Cap Diameter (d): 7.5 -1.0 mm

Weight, approx: 26 g

Volume: 7.58 cm³
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/missible) at:
Storage: -10°C - +25°C* / -20°C - +35°C**
Charge: +15°C - +30°C / 0°C - +45°C
Fast Charge: +15°C - +30°C / +5°C - +45°C
Discharge: -10°C - +45°C / -20°C - +60°C

Life Expectancy at cycling: >500 cycles***

* less than 1 year

** less than 9 months (mean temperature max. 25°C)

*** According to IEC285 standard: 1993 #4.4.1