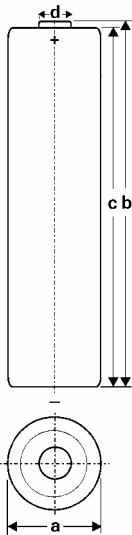


## Data Sheet



**Type Number:** 55140  
**Designation IEC System** HR 17/67 NiMH Battery

**Nominal Voltage:** 1.2 V  
**Rated Capacity (0.2C / 1.0V):** 3650 mAh  
**Internal Resistance DC, fully charged:** 30 mOhm  
**Impedance AC at 1kHz, fully charged:** 20 mOhm

**Typical Capacity at:**  
**0.2 C/ 1.00 V:** 3750 mAh  
**1.0 C/ 0.97 V:** 3370 mAh

**Max Discharge Current (cont./1.0V):** 5000 mA  
**Max. Short Time Current (2sec/0.75V):** 14000 mA

**Dimensions:**  
**Diameter (a):** 17.0 -0.7 mm  
**Height (b):** 67.0 -1.0 mm  
**Shoulder Height (c):** 66.8 -1.0 mm  
**Cap Diameter (d):** 7.5 -1.0 mm

**Weight, approx:** 53 g

**Volume:** 14.48 cm<sup>3</sup>  
**Energy Density:** 332 Wh/l  
**Specific Energy:** 91 Wh/kg

**Charge Conditions at:**  
**Standard Charge:** 370 mA/ 14-16 h  
**Accelerated Charge:** 1100 mA/ 4.75 h  
**Fast Charge:** 3000 mA (dT/dt, -dV)  
**Trickle Charge (0.03-0.05 C)** 110 185 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