

**cell type:** Ni-Zn (Nickel-Zinc)  
**cell size:** AA; ZR6

**nominal voltage:** 1.65 V

**capacity**  
 nominal: 1500 mAh  
 minimum: 1375 mAh  
 1325 mAh

**Conditions**  
 ta: 20°C; E.V.(Discharge End Voltage)  
 discharge at 0.2C to E.V. 1.3V  
 discharge at 0.2C to E.V. 1.3V  
 discharge at 1C to E.V. 1.2V

**discharge**  
 max. continuous discharge current: 4.5 A (3C)  
 discharge end voltage: 1.1 V

**charge**  
 charge method: CC - CV (Constant Current - Constant Voltage)

recommended charge current  
 at standard charge: 300 mA (0.2C)  
 at fast charge: 1500 mA (1C)

max. charge current: 1500 mA (1C)

standard charge voltage: 1.9 V ± 20mV  
 temperature compensated: 1.9 V  $-(0.003 \times (T-25^\circ\text{C}))\text{V}$

charging cut off by time: 8 h at standard charge  
 2.5 h at fast charge

by current: 50 mA

**internal resistance:** ≤ 30 mΩ at 1KHz; sine wave battery fully charged (impedance)

**life expectancy**  
 at 0.2C charge / 0.5C discharge: ≥ 300 cycles (>70% of min. capacity)

**self discharge**  
 charge retention: ≥ 70 % after 28 days storage at 20°C

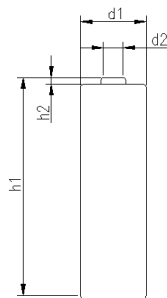
**ambient temperature range:**  
 0...40 °C charge  
 0...50 °C discharge  
 - 20...30 °C storage max. 1year  
 - 20...40 °C storage max. 3months  
 - 20...50 °C storage max. 30days

QCT1: 20/1300/35  
 QCT2: 30/1200/40

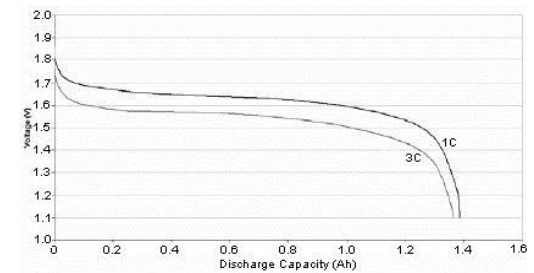
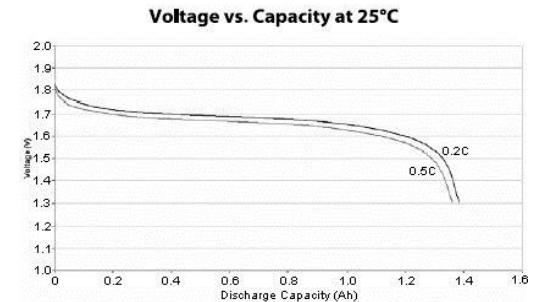
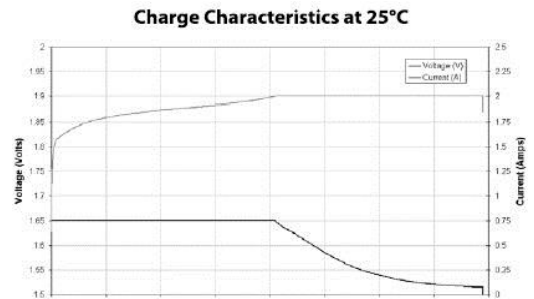
**mechanical specifications**

cell dimensions  
 diameter d1: 14.4 - 0.7 mm  
 diameter d2: max. 5.5 mm  
 height h1: 50.5 - 0.5 mm  
 height h2: min. 1.2 mm  
 weight: 25 ± 2 g

shrink package dimensions: 58 x 51 x 15 mm  
 shrink package weight: 100 g



**Diagrams**



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|--|--|--|
|  | <b>ANSMANN Specifications for model:</b> | <b>AA - 2500mWh NiZn battery</b><br><b>4pcs shrink package</b> |
|  | data sheet no. / part no.                | 1322-0005  |
|  | supplier no.                             | 701372   |
|  | author / date                            | TG / 11.03.2016  |