

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

nominal voltage: 1.65 V

Conditions

Diagrams

capacity
 nominal: 1500 mAh ta: 20°C; E.V.(Discharge End Voltage)
 minimum: 1375 mAh discharge at 0.2C to E.V. 1.3V
 1325 mAh discharge at 1C to E.V. 1.2V

discharge
 max. continuous discharge current: 4.5 A (3C) ta: 0...50°C

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 expectance
 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

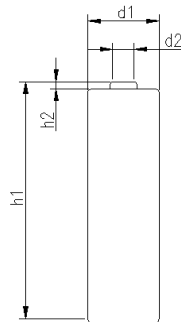
ambient temperature range:
 0...40 °C charge
 0...50 °C discharge
 - 20...30 °C storage max. 1year
 - 20...40 °C storage max. 3months
 - 20...50 °C storage max. 30days

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

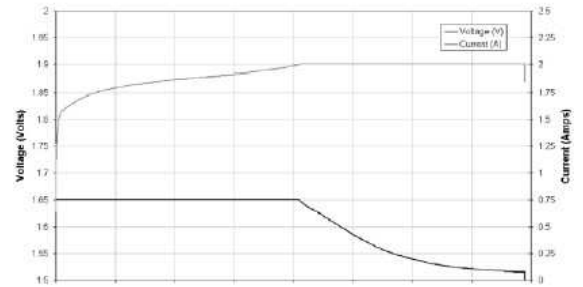
mechanical specifications

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

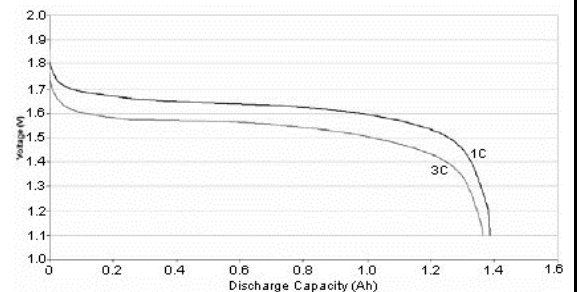
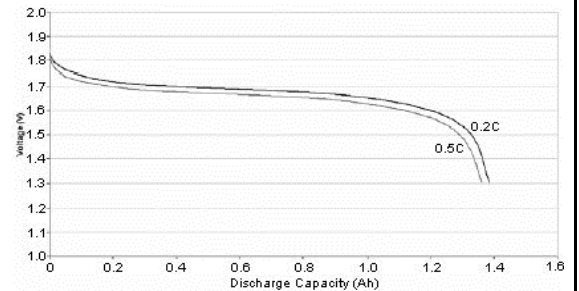
shrink package dimensions: 58 x 51 x 15 mm
 shrink package weight: 100 g



Charge Characteristics at 25°C



Voltage vs. Capacity at 25°C



	ANSMANN Specifications for model:	AA - 2500mWh NiZn battery
	data sheet no. / part no.	1322-0005
	supplier no.	701372
	author / date	TG / 29.04.2013