

**cell type:**  
**cell size:**

Ni-Zn (Nickel-Zinc)  
AA; ZR6



<https://www.mega-piles.com/>

**nominal voltage:** 1.65 V

**Conditions**

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

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

ta: 0...50°C

**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

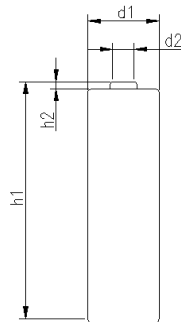
**ambient temperature range:**  
0...40 °C charge  
0...50 °C discharge  
- 20...30 °C storage max. 1year  
- 20...40 °C storage max. 3months  
- 20...50 °C storage max. 30days

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

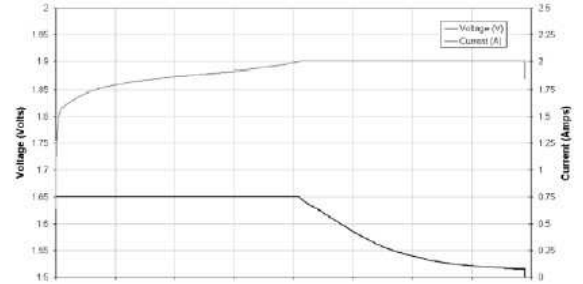
**mechanical specifications**

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

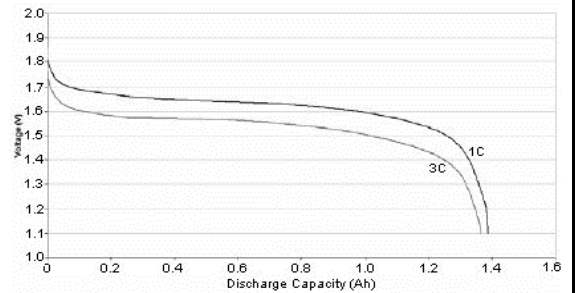
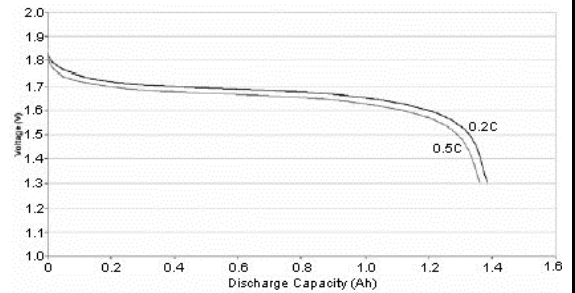
shrink package dimensions: 58 x 51 x 15 mm  
shrink package weight: 100 g



**Charge Characteristics at 25°C**



**Voltage vs. Capacity at 25°C**



	<b>ANSMANN Specifications for model:</b>	<b>AA - 2500mWh NiZn battery 4pcs shrink package</b>
	data sheet no. / part no.	1322-0005
	supplier no.	701372
	author / date	TG / 29.04.2013