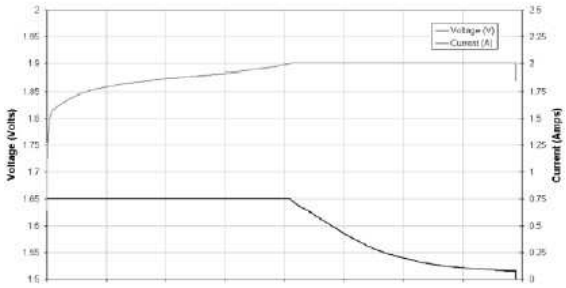
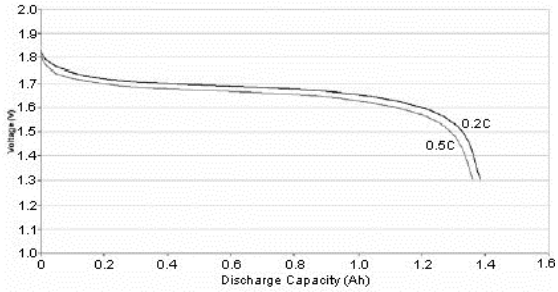
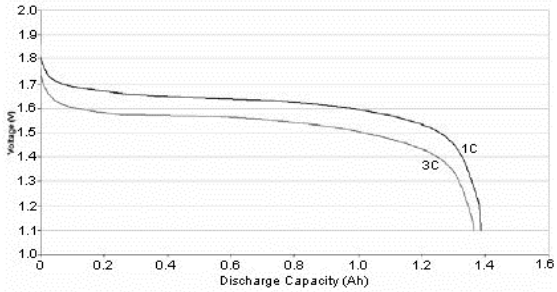
cell type:		Ni-Zn (Nickel-Zinc)	
cell size:		AA; ZR6	
		Conditions	**Diagrams**
nominal voltage:	1.65 V		
capacity		ta: 20°C; E.V.(Discharge End Voltage)	
nominal:	1500 mAh	discharge at 0.2C	to E.V. 1.3V
minimum:	1375 mAh	discharge at 0.2C	to E.V. 1.3V
	1325 mAh	discharge at 1C	to E.V. 1.2V
discharge		ta: 0....50°C	
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	-(0.003x(T-25°C))V	
charging cut off	8 h	at standard charge	
by time:	2.5 h	at fast charge	
by current:	50 mA		
internal resistance: (impedance)	≤ 30 mΩ	at 1KHz; sine wave battery fully charged	
life expectance at 0.2C charge / 0.5C discharge:	≥ 300 cycles	(>70% of min. capacity)	
self discharge		after 28 days	
charge retention:	≥ 70 %	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		

Charge Characteristics at 25°C



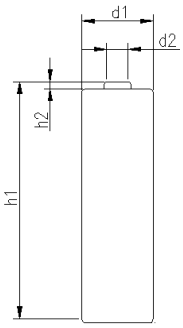
Voltage vs. Capacity at 25°C





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



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

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice