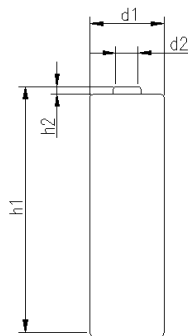


		Conditions
<b>cell type:</b>	NiMH	
<b>cell size:</b>	AA	
<b>nominal voltage:</b>	1.2 V	
<b>max. charge voltage:</b>	1.5 V	at standard charge (0.1C / 20°C)
<b>capacity</b>		
nominal:	2500 mAh	discharge at 0.2C
minimum:	2400 mAh	discharge at 0.2C
	2200 mAh	discharge at 1C
		1.0V end discharge voltage
		ta: 20°C
<b>max. continuous discharge current:</b>	5000 mA	ta: 0...45°C
<b>charge</b>		
standard charge:	current 250 mA	time 14....16hrs
quick charge:	700 mA	4hrs
fast charge:	2500 mA	1.1hr
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	- ΔV (-deltaV) temperature rise per minute TCO (temperature cut off)
trickle charge current:	10...50 mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 200 mA	no conspicuous deformation no leakage
<b>internal resistance:</b> (impedance)	≤ 30 mΩ	at 1KHz battery fully charged
<b>life expectancy:</b>	≥ 500 cycles	acc. IEC standard
<b>self discharge</b>		
charge retention:	≥ 75 %	after 12 months storage at 20°C
<b>initial capacity:</b>	≥ 1600 mAh	within 30 days after delivery discharge at 0.2C
<b>ambient temperature range:</b>	0...45 °C 10...40 °C - 20...65 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months)
QCT1:	20/2300/30	
QCT2:	30/2150/35	

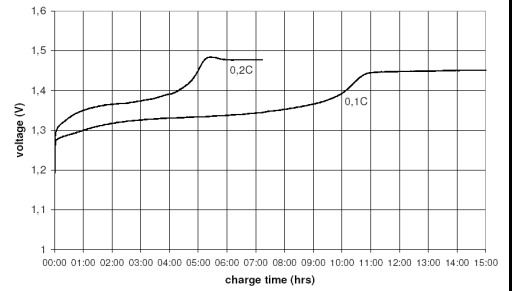
**mechanical specifications**

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:	30 ± 2	g
blister card dimensions:	123 x 85	mm
blister card weight (incl. batteries):	128	g

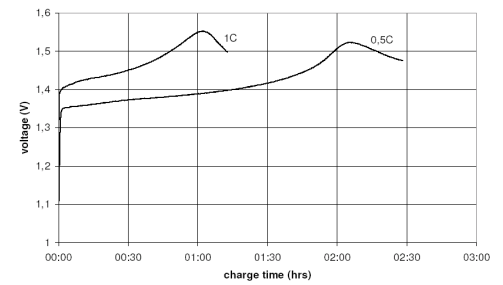


**Diagrams**

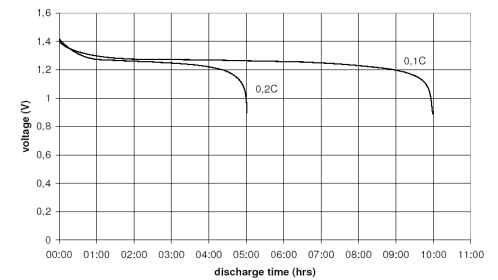
standard charge



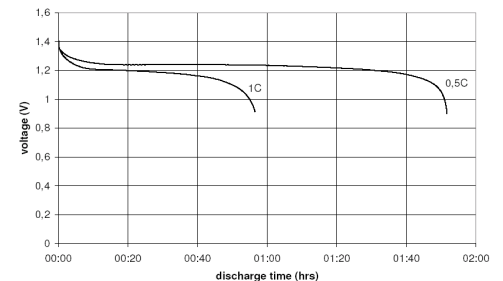
fast charge



low rate discharge



high rate discharge



	<b>ANSMANN Specifications for model:</b>	<b>AA - 2500mAh low self discharge 4pcs blister package</b>
	data sheet no. / part no.	5035442
	supplier no.	701372
	author / date	TG / 13.02.2018