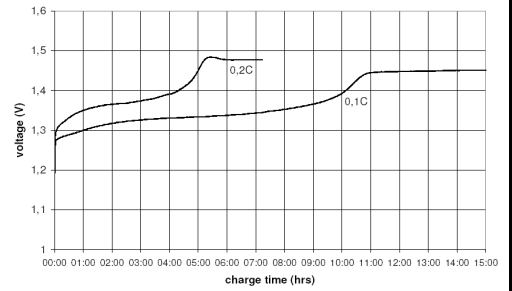


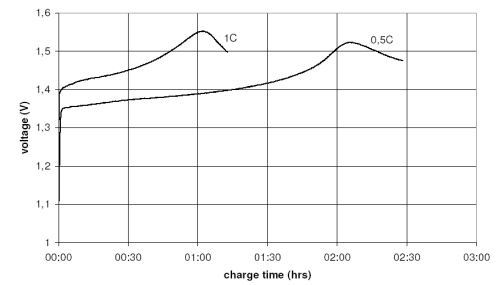
		Conditions	
<b>cell type:</b>		NiMH	
<b>cell size:</b>		AA	
<b>nominal voltage:</b>	1.2	V	
<b>max. charge voltage:</b>	1.5	V	
		at standard charge (0.1C / 20°C)	
<b>capacity</b>			
nominal:	2850	mAh	discharge at 0.2C
minimum:	2650	mAh	discharge at 0.2C
	2450	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
<b>max. continuous discharge current:</b>	5000	mA	ta: 0...45°C
<b>charge</b>			
standard charge:	285	mA	14...16hrs
quick charge:	800	mA	4hrs
fast charge:	2850	mA	1hr
recommended charge termination control parameters:	0...5	mV	- ΔV (-deltaV)
	0.8...1	°C	temperature rise per minute
	45...50	°C	TCO (temperature cut off)
trickle charge current:	20...80	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:	≥ 60	%	after 28 days storage at 20°C
<b>initial capacity:</b>	≥ 900	mAh	within 30 days after delivery discharge at 0.2C
<b>ambient temperature range:</b>	0...45	°C	standard charge
	10...40	°C	fast charge
	0...45	°C	discharge (≥1C)
	- 20...65	°C	discharge (<1C)
	- 20...50	°C	storage (≤1month)
	- 20...40	°C	storage (≤3months)
	- 20...30	°C	storage (≤12months)

### Diagrams

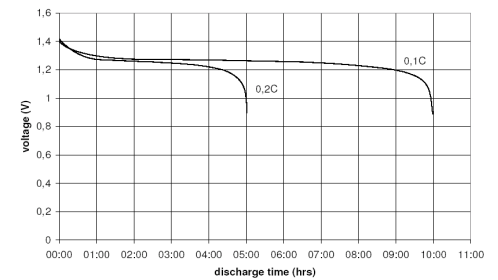
standard charge



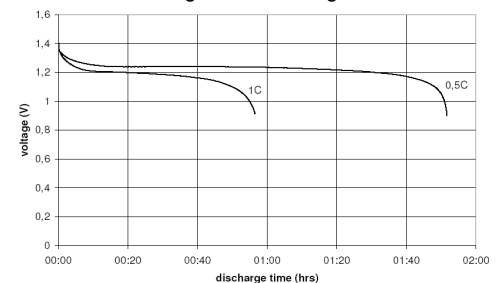
fast charge



low rate discharge



high rate discharge

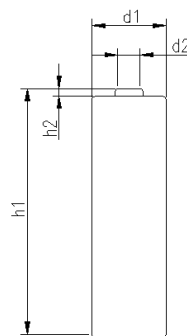


QCT1: 20/2500/35  
QCT2: 30/2350/40

### mechanical specifications

cell dimensions

diameter d1:		14.5 - 0.7	mm
diameter d2:	max.	5.5	mm
height h1:		50.5 - 0.5	mm
height h2:	min.	1.2	mm
weight:		31 ± 2	g



	<b>ANSMANN Specifications for model:</b>	<b>AA - 2850mAh bulk package</b>
	data sheet no. / part no.	5035021
	supplier no.	701372
	author / date	Gramlich / 24.02.2012