

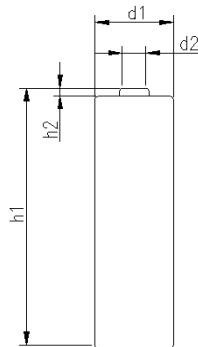
		Conditions	
cell type:		NiMH	
cell size:		AA	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
typical:	1000	mAh	discharge at 0.2C
minimum:	800	mAh	discharge at 0.2C
	750	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
max. continuous discharge current:	2400	mA	ta: 0...45°C
charge			
standard charge:	80	mA	14....16hrs
quick charge:	240	mA	4hrs
fast charge:	800	mA	1.1hrs
recommended charge termination control parameters:	0...10	mV	- ΔV (-deltaV)
	0.8...1	°C	temperature rise per minute
	45...50	°C	TCO (temperature cut off)
trickle charge current:	5...25	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 80	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 50	mΩ	at 1KHz battery fully charged
life expectancy:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 80	%	after 12 months storage at 20°C
initial capacity:	≥ 550	mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45	°C	standard charge
	10...40	°C	fast charge
	- 20...65	°C	discharge (≤1.0C)
	0...45	°C	discharge (>1.0C)
	- 20...50	°C	storage (≤3months)
	- 20...40	°C	storage (≤6months)
	- 20...30	°C	storage (≤24months)

QCT1: 20/750/50
QCT2: 30/700/55

mechanical specifications

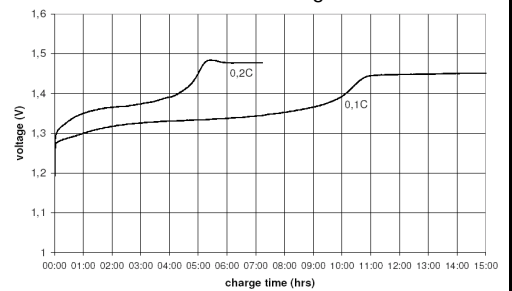
cell dimensions

diameter d1:	max.	14.4	- 0.5	mm
diameter d2:		5.5		mm
height h1:		50.4	- 0.5	mm
height h2:	min.	1.2		mm
weight:		15	± 2	g
blister card dimensions:		120	x 85	mm
blister card weight (incl. batteries):		70		g

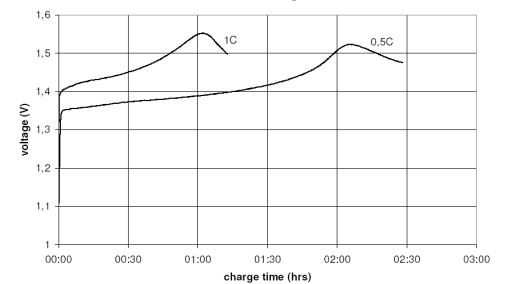


Diagrams

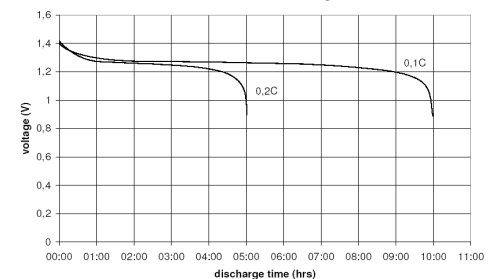
standard charge



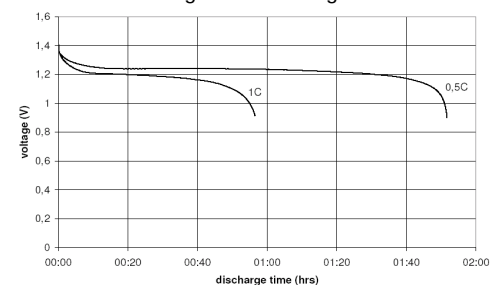
fast charge



low rate discharge



high rate discharge



	ANSMANN Specifications for model:	AA - 1000mAh low self discharge HYCELL 4pcs blister
	data sheet no. / part no.	1312-0008
	supplier no.	0
	author / date	Gramlich / 15.02.2012