

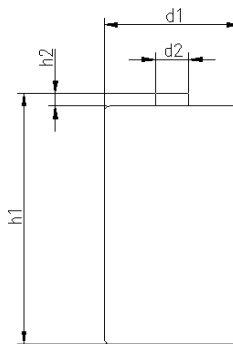
		Conditions	
cell type:		NiMH	
cell size:		D	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	8500	mAh	discharge at 0.2C
minimum:	8500	mAh	discharge at 0.2C
	8000	mAh	discharge at 1C
			1.0V end discharge voltage ta: 20°C
max. continuous			
discharge current:	8500	mA	ta: 0...45°C
charge			
standard charge:	current	time	
quick charge:	850	mA	14....16hrs
fast charge:	2550	mA	4hrs
	4250	mA	2.3hrs
recommended charge	0...5	mV	- ΔV (-deltaV)
termination control	0.8...1	°C	temperature rise per minute
parameters:	45...50	°C	TCO (temperature cut off)
trickle charge current:	50...250	mA	(recommended)
continuous overcharge:	≤ 850	mA	no conspicuous deformation no leakage
internal resistance:	≤ 15	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:	≥ 6000	mAh	within 30 days after delivery discharge at 0.2C
ambient temperature			
range:	0...45	°C	standard charge
	10...40	°C	fast charge
	0...45	°C	discharge (≥1C)
	- 20...65	°C	discharge (<1C)
	- 20...50	°C	storage (≤3months)
	- 20...40	°C	storage (≤6months)
	- 20...30	°C	storage (≤24months)

QCT1: 20/8000/15
QCT2: 30/7800/15

mechanical specifications

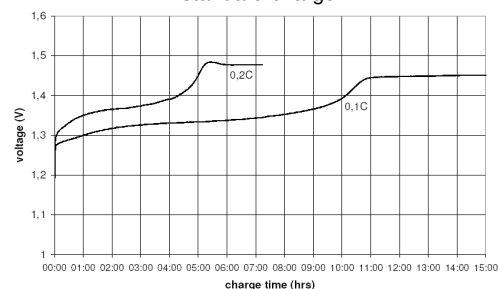
cell dimensions

diameter d1:		32.8 - 1.0	mm
diameter d2:	max.	9.5	mm
height h1:		61.5 - 2.0	mm
height h2:	min.	1.5	mm
weight:		155 ± 8	g
blister card dimensions:		123 x 85	mm
blister card weight (incl. batteries):		320	g

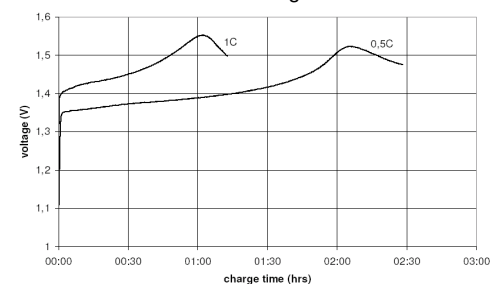


Diagrams

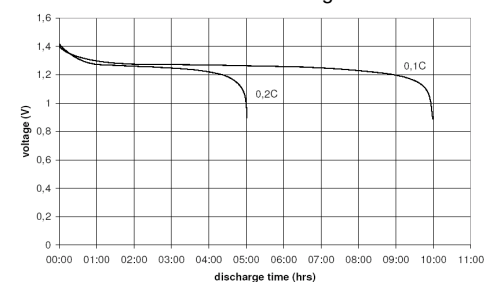
standard charge



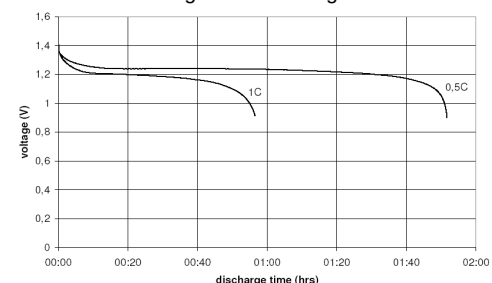
fast charge



low rate discharge



high rate discharge



	ANSMANN Specifications for model:	D - 8500mAh low self discharge
	data sheet no. / part no.	5035362
	supplier no.	701364
	author / date	Gramlich / 03.03.2012