

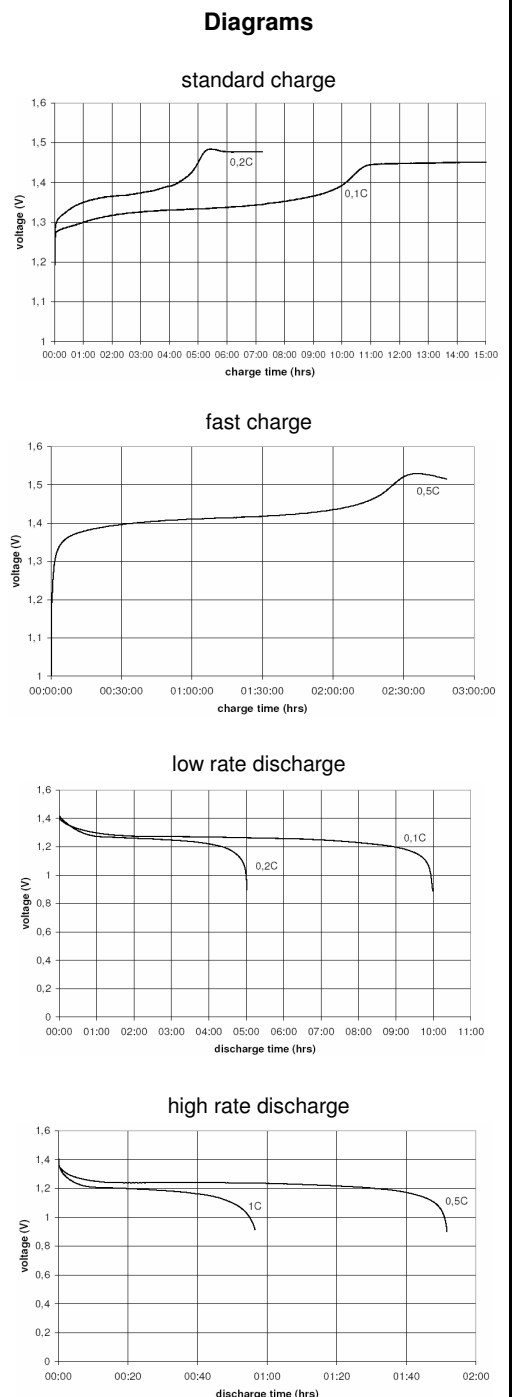
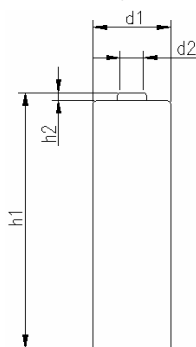
		Conditions		Diagrams
cell type:		NiMH		
cell size:		AA		
nominal voltage:	1.2	V		
max. charge voltage:	1.5	V	at standard charge (0.1C / 20 °C)	
capacity				
nominal:	2100	mAh	discharge at 0.2C	
minimum:	1900	mAh	discharge at 0.2C	
	1750	mAh	discharge at 1C	
			1.0V end discharge voltage	
			ta: 20 °C	
max. continuous discharge current:	4200	mA	ta: 0...45 °C	
charge				
standard charge:	210	mA	14...16hrs	
quick charge:	600	mA	4hrs	
fast charge:	2100	mA	1.1hrs	
recommended charge	5...10	mV	- delta V	
termination control	0.8...1	°C	temperature rise per minute	
parameters:	45...50	°C	TCO (temperature cut off)	
trickle charge current:	21...100	mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 190	mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 40	mΩ	at 1KHz battery fully charged	
life expectance:	≥ 500	cycles	acc. IEC standard	
self discharge				
charge retention:	≥ 85	%	after 6 months storage	
(at ≤ 20 °C ambient)	≥ 80	%	after 12 months storage	
initial capacity:	≥ 1500	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: 20/1800/35
QCT2: 30/1700/40

mechanical specifications

cell dimensions (incl. label)

diameter d1:	14.3	- 1.0	mm
diameter d2:	7.5	- 2.0	mm
height h1:	49.5	- 1.5	mm
height h2:	min. 0.3		mm
weight:	28	± 2	g



	ANSMANN Specifications for model:	AA - 2100mAh low self discharge flat head bulk package
	data sheet no. / part no.	5035371
	version no.	0
	author / date	Gramlich / 26.05.2009