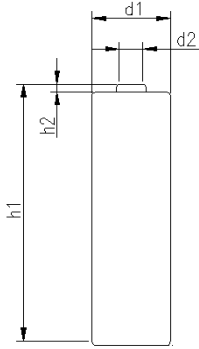


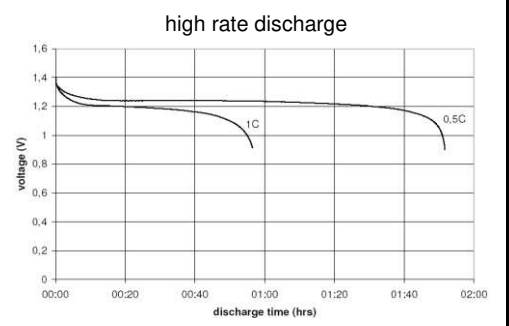
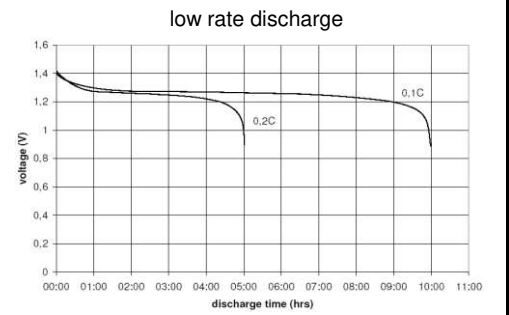
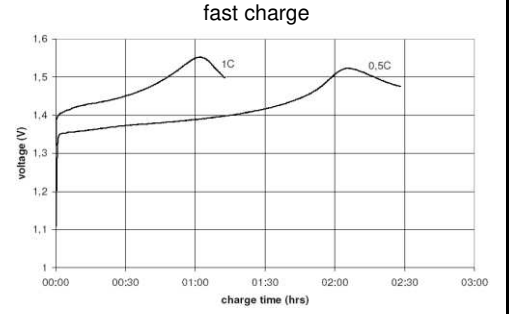
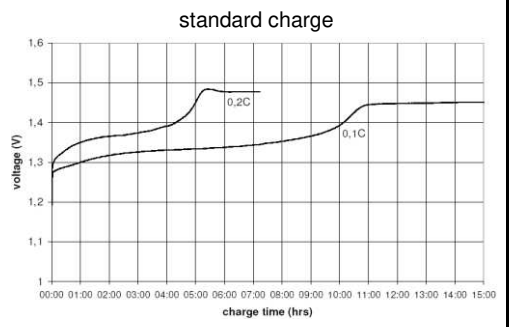
		Conditions	
cell type:	NiMH		
cell size:	AA		
nominal voltage:	1.2 V		
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)	
capacity			
nominal:	2100 mAh	discharge at 0.2C	
minimum:	1900 mAh	discharge at 0.2C	
	1750 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
max. continuous discharge current:	5700 mA	at ta: 20°C	
charge	current	time	
standard charge:	200 mA	16hrs	
quick charge:	600 mA	4hrs	
fast charge:	2000 mA	1.1hrs	
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:	10...40 mA	(recommended)	
continuous overcharge: (for 28days)	≤ 200 mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	typ. 28.0 mΩ	at 1KHz battery fully charged	
life expectancy:	≥ 500 cycles	acc. IEC standard	
self discharge			
charge retention: (at ≤ 20°C ambient)	≥ 80 %	after 6 months storage	
	≥ 75 %	after 12 months storage	
initial capacity:	≥ 1400 mAh	within 30 days after delivery discharge at 0.2C	
ambient temperature range:	0...40 °C	standard charge	
	10...35 °C	fast charge	
	- 18...55 °C	discharge	
	- 20...55 °C	storage (≤1month)	
	- 20...45 °C	storage (≤3months)	
	- 20...35 °C	storage (≤12months)	

QCT1: 20/1800/35
QCT2: 30/1700/40

mechanical specifications		
cell dimensions		
diameter d1:	14.5 - 1.0	mm
diameter d2:	approx. 7.0	mm
height h1:	49.5 - 1.5	mm
height h2:	0.5 - 0.5	mm
weight:	28 ± 2	g



Diagrams



	ANSMANN Specifications for model:	AA2100mAh FLAT TOP
	data sheet no. / part no.	2312-3003
	version no.	2
	author / date	TG / 03.06.2015

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice