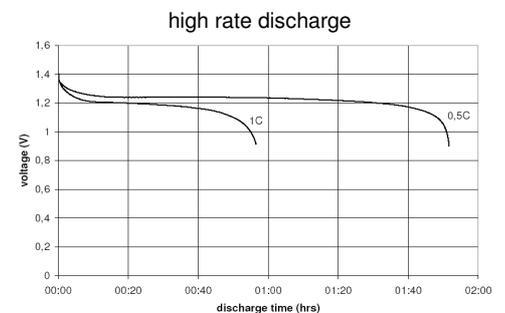
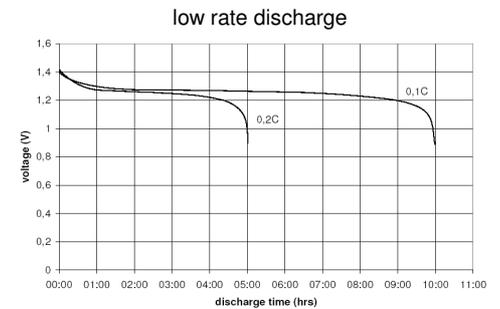
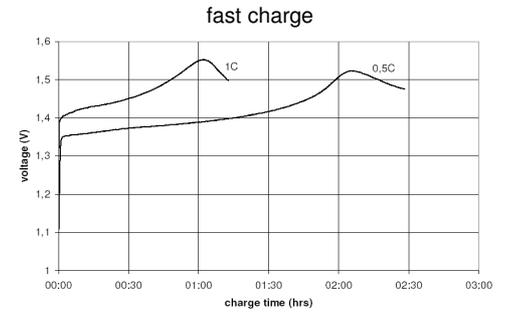
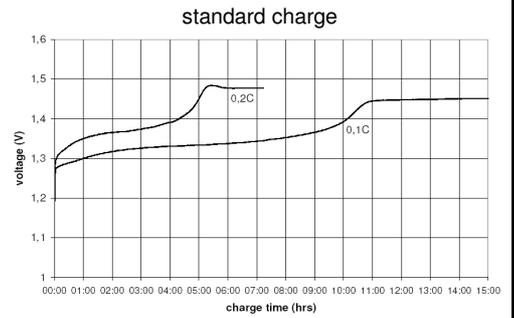


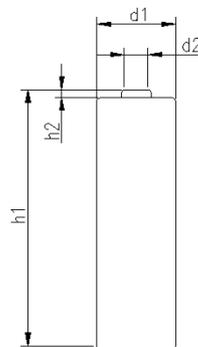
cell type:	NiMH	Conditions
cell size:	AA	
nominal voltage:	1.2 V	
max. charge voltage:	1.5 V	at standard charge (0.1C / 20 °C)
capacity		
nominal:	2100 mAh	discharge at 0.2C
minimum:	1900 mAh	discharge at 0.2C
	1750 mAh	discharge at 1C
		1.0V end discharge voltage
		ta: 20 °C
max. continuous discharge current:	4200 mA	ta: 0...45 °C
charge		
standard charge:	current: 210 mA	time: 14...16hrs
quick charge:	600 mA	4hrs
fast charge:	1400 mA	1.7hrs
recommended charge termination control parameters:	5...10 mV 0.8...1 °C 45...50 °C	- delta V temp. increase per minute TCO (temperature cut off)
trickle charge current:	21...105 mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 190 mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 35 mΩ	at 1KHz battery fully charged
life expectancy:	≥ 500 cycles	acc. IEC standard
self discharge		
charge retention:	≥ 75 %	after 12 months storage at 20 °C
initial capacity:	≥ 1500 mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45 °C 10...40 °C - 20...65 °C 0...45 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge (≤1.0C) discharge (>1.0C) storage (≤3months) storage (≤6months) storage (≤24months)
QCT1:	20/1800/35	
QCT2:	30/1650/40	

Diagrams



mechanical specifications

cell dimensions (incl. label)			
diameter d1:		14.3	- 0.5 mm
diameter d2:	max.	xx	mm
height h1:		50.3	- 0.5 mm
height h2:	min.	xx	mm
weight:		28	± 2 g



	ANSMANN Specifications for model:	AA - 2100mAh low self discharge flat top bulk package(industrial label)
	data sheet no. / part no.	2312-3003
	version no.	0
	author / date	RA / 13.07.2011