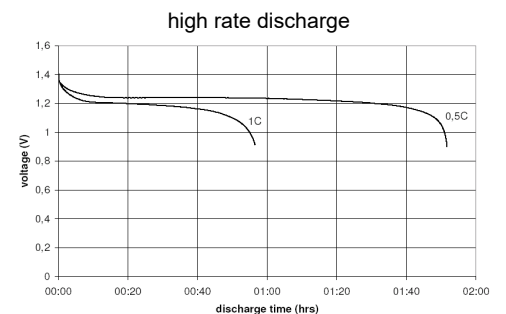
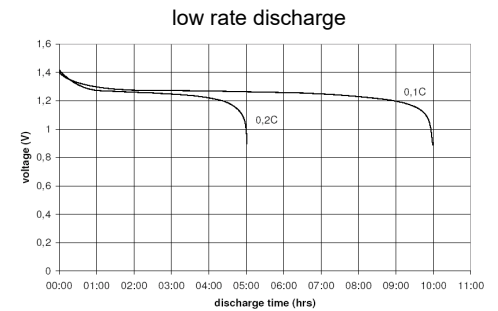
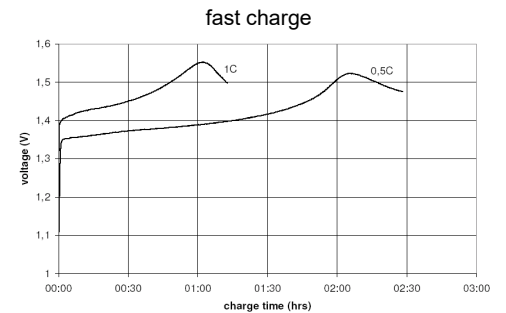
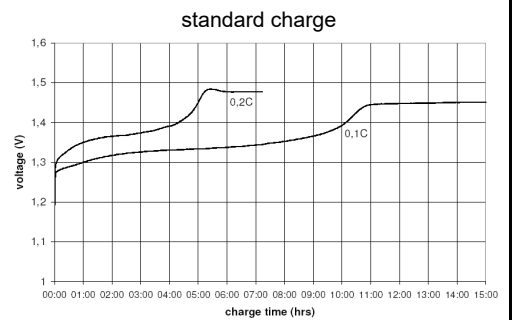


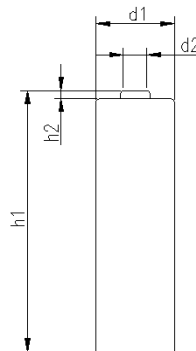
		Conditions	Diagrams
cell type:	NiMH		
cell size:	AA		
nominal voltage:	1.2 V		
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)	
capacity			
nominal:	2100 mAh	discharge at 0.2C	
minimum:	2100 mAh	discharge at 0.2C	
	2000 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
max. continuous discharge current:	5000 mA	ta: 0...45°C	
charge			
standard charge:	current 210 mA	time 14....16hrs	
quick charge:	600 mA	4hrs	
fast charge:	2100 mA	1.1hrs	
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:	10...40 mA	(recommended)	
continuous overcharge:	≤ 200 mA	no conspicuous deformation	
(less than 1 year)		no leakage	
internal resistance:	≤ 40 mΩ	at 1KHz	
(impedance)		battery fully charged	
life expectance:	≥ 500 cycles	acc. IEC standard	
self discharge			
charge retention:	≥ 80 %	after 12 months storage at 20°C	
initial capacity:	≥ 1400 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	
	- 20...50 °C	storage (≤3months)	
	- 20...40 °C	storage (≤6months)	
	- 20...30 °C	storage (≤24months)	
QCT1:	20/2000/35		
QCT2:	30/1900/40		



mechanical specifications

cell dimensions

diameter d1:	max.	14.4 - 0.7	mm
diameter d2:		5.5	mm
height h1:		50.5 - 0.5	mm
height h2:	min.	1.2	mm
weight:		28 ± 2	g



ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

NiMH Battery AA - 2100mAh low self discharge

702069

TG / 24.07.2018