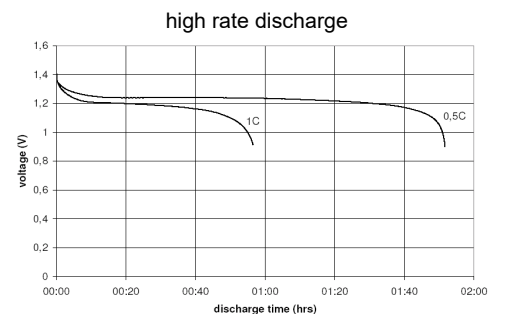
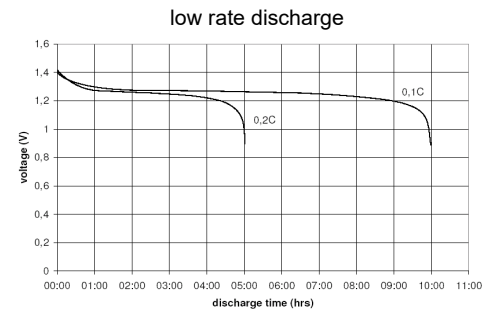
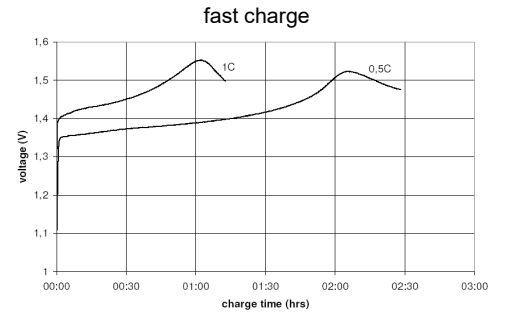
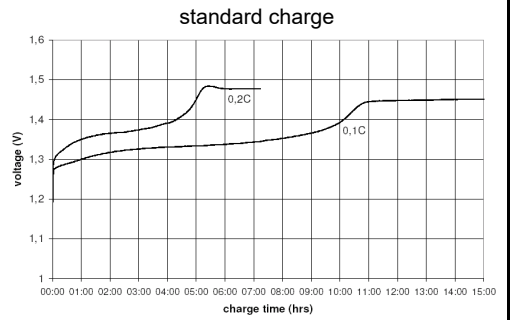


		Conditions
<b>cell type:</b>	NiMH	
<b>cell size:</b>	AA	
<b>nominal voltage:</b>	1.2 V	
<b>max. charge voltage:</b>	1.5 V	at standard charge (0.1C / 20°C)
<b>capacity</b>		
nominal:	2000 mAh	discharge at 0.2C
minimum:	1900 mAh	discharge at 0.2C
	1800 mAh	discharge at 1C
		1.0V end discharge voltage
		ta: 20°C
<b>max. continuous discharge current:</b>	4000 mA	ta: 0...45°C
<b>charge</b>		
standard charge:	current 200 mA	time 14....16hrs
quick charge:	575 mA	4hrs
fast charge:	2000 mA	1.1hrs
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	- ΔV (-deltaV) temperature rise per minute TCO (temperature cut off)
trickle charge current:	10...40 mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 200 mA	no conspicuous deformation no leakage
<b>internal resistance:</b> (impedance)	≤ 35 mΩ	at 1KHz battery fully charged
<b>life expectancy:</b>	≥ 1500 cycles	acc. IEC standard
<b>self discharge</b>		
charge retention:	≥ 85 %	after 12 months storage at 20°C
<b>initial capacity:</b>	≥ 1400 mAh	within 30 days after delivery discharge at 0.2C to 1.0V
<b>ambient temperature range:</b>	0...45 °C 0...40 °C 0...50 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months)

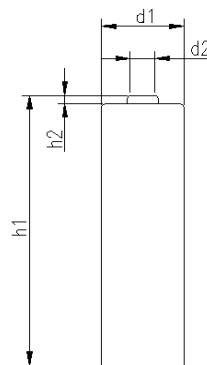
### Diagrams



QCT1: 20/1850/35  
QCT2: 30/1750/35

#### mechanical specifications

cell dimensions (with tube)	
diameter d1:	14.4 - 0.5 mm
diameter d2:	max. 5.5 mm
height h1:	50.5 - 0.5 mm
height h2:	min. 1.2 mm
weight:	27 ± 2 g



	<b>ANSMANN Specifications for model:</b>	<b>NiMH Battery</b>
	data sheet no. / part no.	<b>AA - 2000mAh low self discharge</b>
	supplier no.	703642
	author / date	TG / 13.08.2018