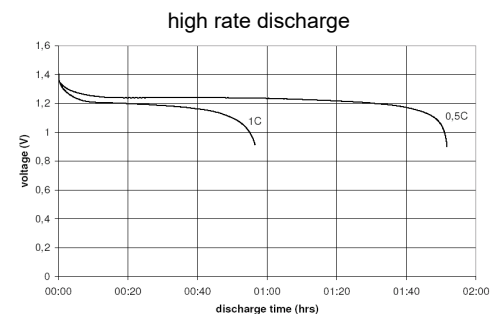
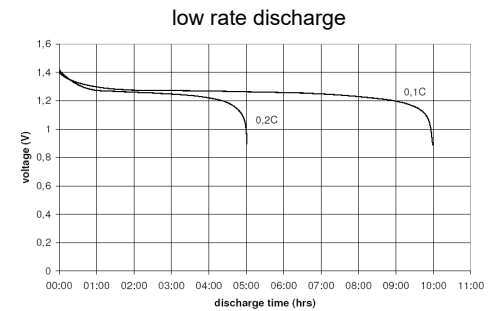
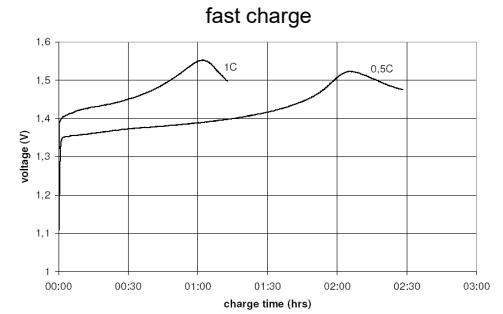
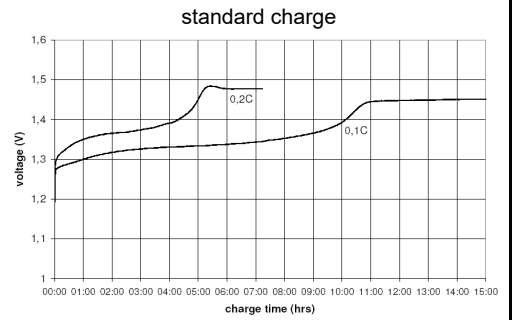


		Conditions
cell type:		NiMH
cell size:		AA
nominal voltage:	1.2 V	
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)
capacity		
nominal:	2000 mAh	discharge at 0.2C
minimum:	1900 mAh	discharge at 0.2C
	1800 mAh	discharge at 1C
		1.0V end discharge voltage
		ta: 20°C
max. continuous discharge current:	4000 mA	ta: 0...45°C
charge		
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
internal resistance: (impedance)	≤ 35 mΩ	at 1KHz battery fully charged
life expectance:	≥ 1500 cycles	acc. IEC standard
self discharge		
charge retention:	≥ 85 %	after 12 months storage at 20°C
initial capacity:	≥ 1400 mAh	within 30 days after delivery discharge at 0.2C to 1.0V
ambient temperature range:	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)

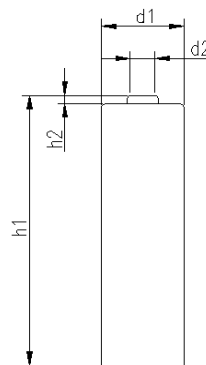
Diagrams



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



	ANSMANN Specifications for model:	NiMH Battery
	data sheet no. / part no.	AA - 2000mAh low self discharge
	s.n.	703642
	author / date	TG / 25.05.2024