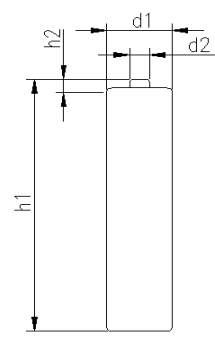


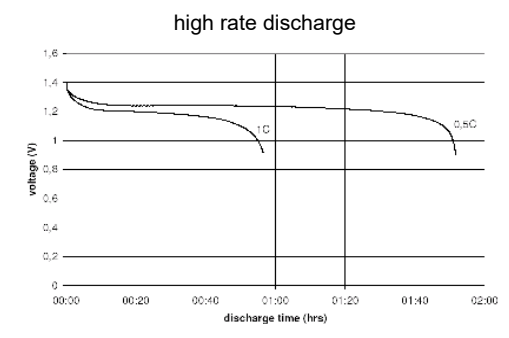
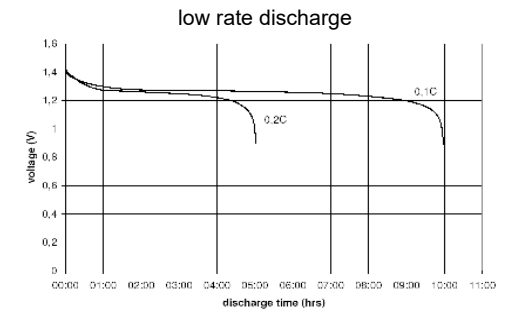
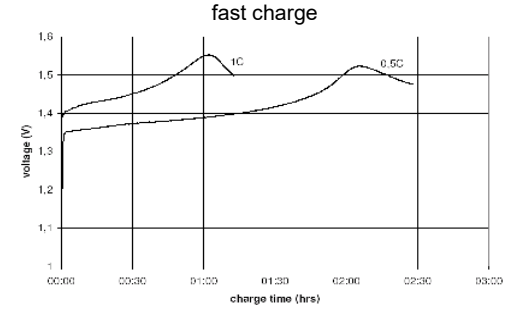
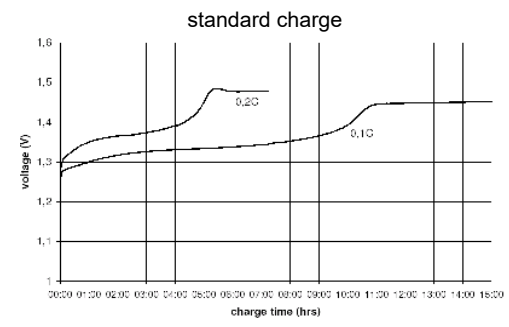
		Conditions
cell type:	NiMH	
cell size:	AAA	
nominal voltage:	1.2 V	
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)
capacity		
nominal:	1100 mAh	discharge at 0.2C
minimum:	1050 mAh	discharge at 0.2C
	950 mAh	discharge at 1C
		1.0V end discharge voltage
		ta: 20°C
max. continuous discharge current:	3000 mA	ta: 0...45°C
charge		
standard charge:	current 105 mA	time 14...16hrs
quick charge:	315 mA	4hrs
fast charge:	1050 mA	1.1hrs
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	-ΔV (-delta V) temperature rise per minute TCO (temperature cut off)
trickle charge current:	10...30 mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 50 mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 40 mΩ	at 1KHz battery fully charged
life expectancy:	≥ 500 cycles	acc. IEC standard
self discharge		
charge retention after 360 days storage at 20°C:	≥ 50 %	of minimal battery capacity; at 0.2C discharge to EV 1.0V
subsequent capacity:	≥ 525 mAh	
initial capacity:	≥ 750 mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45 °C 10...40 °C - 20...65 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤1month) storage (≤3months) storage (≤12months)

QCT1:	20/1000/40
QCT2:	30/950/50

mechanical specifications		
cell dimensions		
diameter d1 (incl. label):	10.5 - 0.7	mm
diameter d1 (bare cell):	10.3 - 0.7	mm
diameter d2:	max. 3.8	mm
height h1:	44.5 - 1.5	mm
height h2:	min. 0.8	mm
weight:	13.5 ± 2	g



Diagrams



	ANSMANN Specifications for model:	NiMH Battery
	data sheet no. / part no.	AAA - 1100mAh low self discharge
	s.n.	701372
	author / date	TG / 05.07.2023