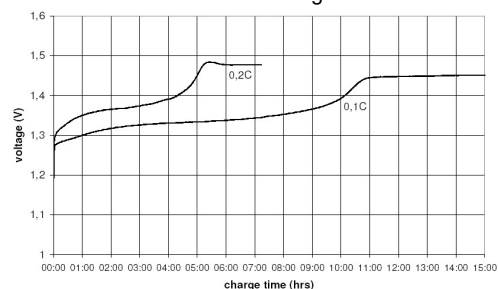


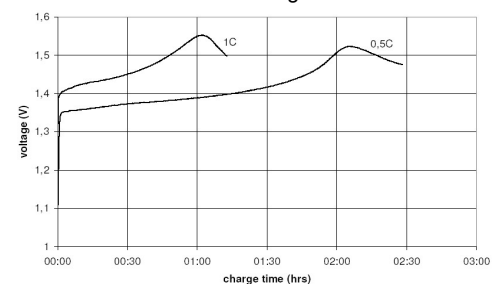
		Conditions
cell type:	NiMH	
cell size:	C	
nominal voltage:	1.2 V	
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)
capacity		
nominal:	4500 mAh	discharge at 0.2C
minimum:	4500 mAh	discharge at 0.2C
	4200 mAh	discharge at 1C
		1.0V end discharge voltage ta: 20°C
max. continuous discharge current:	6750 mA	ta: 0...45°C
charge		
standard charge:	current 450 mA	time 14....16hrs
quick charge:	1350 mA	4hrs
fast charge:	2250 mA	2.3hrs
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:	45...150 mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 450 mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 20 mΩ	at 1KHz battery fully charged
life expectance:	≥ 500 cycles	acc. IEC standard
self discharge		
charge retention:	≥ 80 %	after 12 months storage at 20°C
initial capacity:	≥ 3150 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 (≤3months) storage (≤6months) storage (≤24months)
QCT1:	20/4300/20	
QCT2:	30/4200/20	

Diagrams

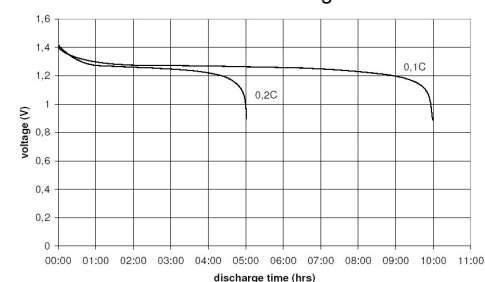
standard charge



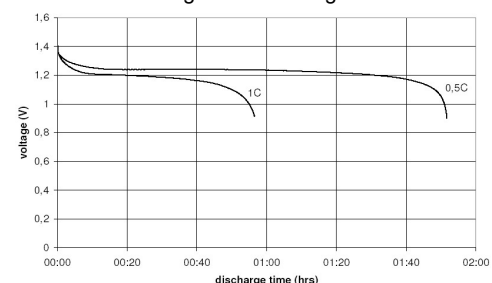
fast charge



low rate discharge



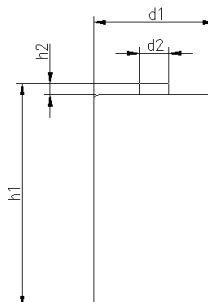
high rate discharge



mechanical specifications

cell dimensions

diameter d1:	max.	25.6 - 1.0	mm
diameter d2:	min.	7.5	mm
height h1:	max.	50.0 - 2.0	mm
height h2:	min.	1.5	mm
weight:		80 ± 4	g



ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

NiMH Battery

4500mAh

low self discharge

5035352

702069

TG / 16.07.2024