



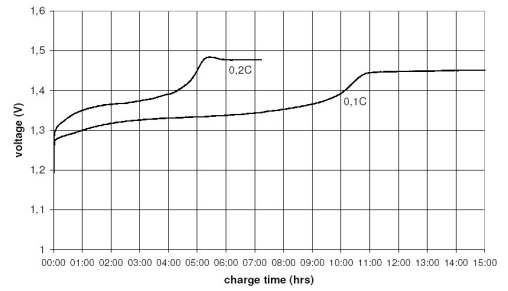
**THE DATASHEET OF
5035352-XX**



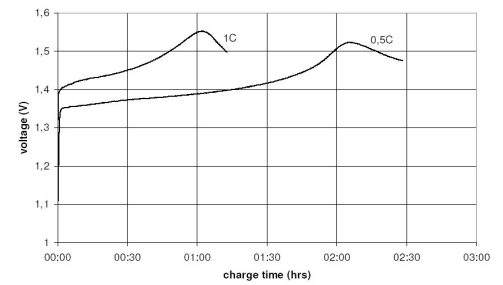
		Conditions	
cell type:	NiMH		
cell size:	C		
nominal voltage:	1.2 V		
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)	
capacity			
nominal:	4500 mAh	discharge at 0.2C	
minimum:	4500 mAh	discharge at 0.2C	
	4200 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
max. continuous discharge current:	6750 mA	ta: 0...45°C	
charge		current	time
standard charge:	450 mA	1350 mA	14....16hrs
quick charge:	1350 mA	2250 mA	4hrs
fast charge:	2250 mA		2.3hrs
recommended charge termination control parameters:	0...5 mV	- ΔV (-deltaV)	
	0.8...1 °C	temperature rise per minute	
	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	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:	20/4300/20		
QCT2:	30/4200/20		

Diagrams

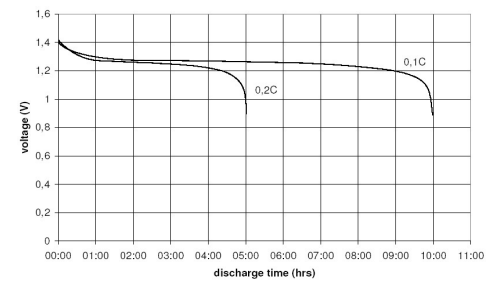
standard charge



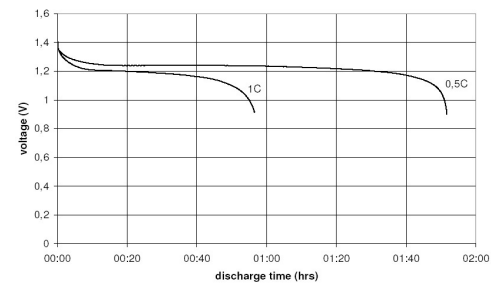
fast charge



low rate discharge



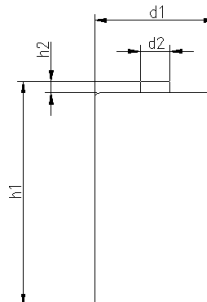
high rate discharge



mechanical specifications

cell dimensions

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



	ANSMANN Specifications for model:	NiMH Battery	C
		4500mAh	low self discharge
	data sheet no. / part no.	5035352	
	s.n.	702069	
	author / date	TG / 16.07.2024	

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