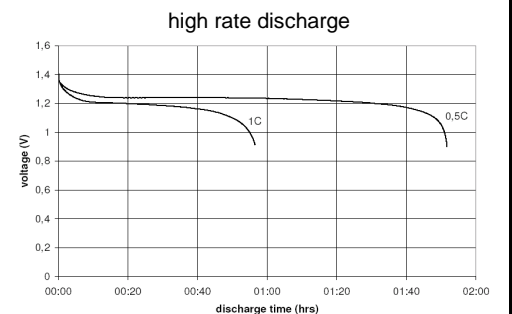
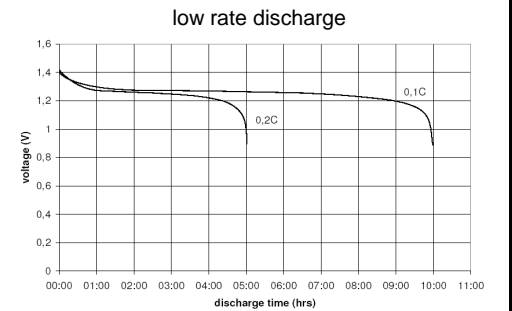
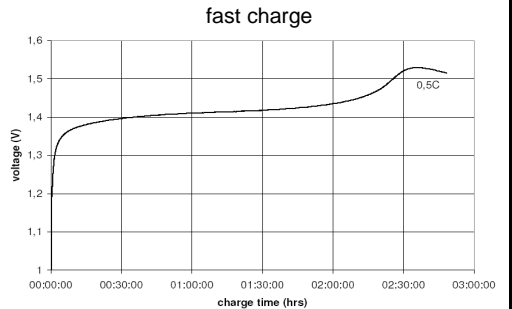
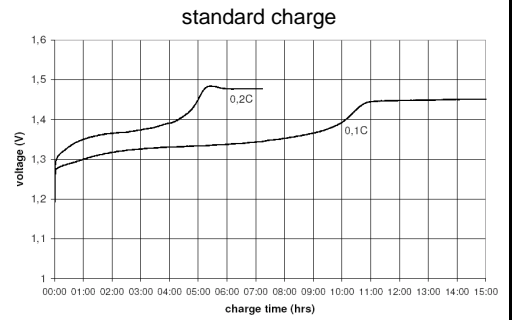


		Conditions	
<b>cell type:</b>		NiMH	
<b>cell size:</b>		Sub-C	
<b>nominal voltage:</b>	1.2	V	
<b>max. charge voltage:</b>	1.5	V	at standard charge (0.1C / 20°C)
<b>capacity</b>			
nominal:	3000	mAh	discharge at 0.2C
minimum:	2850	mAh	discharge at 0.2C
	2600	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
<b>max. continuous discharge current:</b>	15	A	ta: 0...45°C
<b>max. peak current:</b>	30	A	
<b>charge</b>			
standard charge:	300	mA	14...16hrs
quick charge:	850	mA	4hrs
fast charge:	3000	mA	1.1hrs
recommended charge termination control parameters:	0...5	mV	- delta V
	0.8...1	°C	temperature rise per minute
	45...50	°C	TCO (temperature cut off)
trickle charge current:	30...150	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 300	mA	no conspicuous deformation no leakage
<b>internal resistance:</b> (impedance)	≤ 6	mΩ	at 1KHz battery fully charged
<b>life expectancy:</b>	≥ 500	cycles	acc. IEC standard
<b>self discharge</b>			
charge retention: (at ≤ 20°C ambient)	≥ 80	%	after 6 months storage
	≥ 75	%	after 12 months storage
<b>initial capacity:</b>	≥ 2100	mAh	within 30 days after delivery discharge at 0.2C
<b>ambient temperature range:</b>	0...45	°C	standard charge
	10...40	°C	fast charge
	- 20...55	°C	discharge
	- 20...55	°C	storage (≤1 months)
	- 20...45	°C	storage (≤3 months)
	- 20...35	°C	storage (≤12 months)
<b>QCT1:</b>	20/2700/6		
<b>QCT2:</b>	30/2550/8		

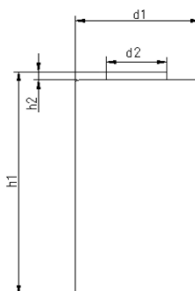
### Diagrams



**mechanical specifications**

cell dimensions (incl. label)

diameter d1:	22.5	- 1.0	mm
diameter d2:	10.0	± 1.0	mm
height h1:	43.0	- 1.0	mm
height h2:	min. 0.3		mm
weight:	55	± 5	g



tags  
material: Fe, Nickel plated  
length: 28mm  
width: 8mm  
thickness: min. 0.2mm



51

	<b>ANSMANN Specifications for model:</b>	<b>SubC - 3000mAh low self discharge with tags (Z-form) bulk package</b>
	data sheet no. / part no.	5035391
	supplier no.	701344
	author / date	TG / 30.01.2014

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice