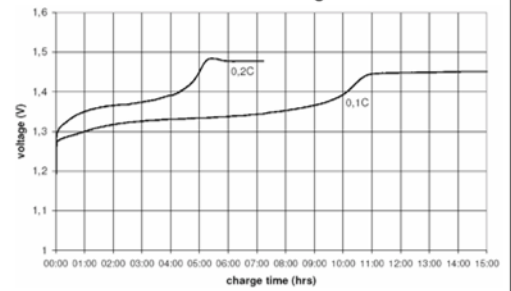


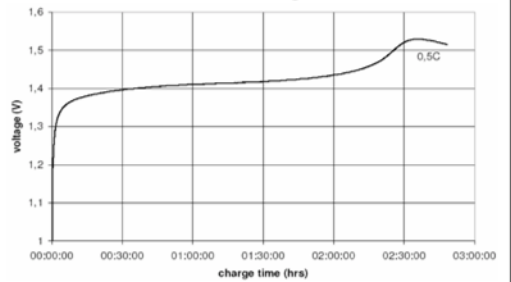
		Conditions	
<b>cell type:</b>	NiMH		
<b>cell size:</b>	AA		
<b>nominal voltage:</b>	1.2 V		
<b>max. charge voltage:</b>	1.5 V	at standard charge (0.1C / 20°C)	
<b>capacity</b>			
nominal:	2100 mAh	discharge at 0.2C	
minimum:	1900 mAh	discharge at 0.2C	
	1750 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
<b>max. continuous discharge current:</b>	4200 mA	ta: 0...45°C	
<b>charge</b>	current	time	
standard charge:	210 mA	14...16hrs	
quick charge:	600 mA	4hrs	
fast charge:	2100 mA	1.1hrs	
recommended charge termination control parameters:	5...10 mV	- delta V	
	0.8...1 °C	temperature rise per minute	
	45...50 °C	TCO (temperature cut off)	
trickle charge current:	21...100 mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 190 mA	no conspicuous deformation no leakage	
<b>internal resistance:</b> (impedance)	≤ 40 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)	≥ 85 %	after 6 months storage	
	≥ 80 %	after 12 months storage	
<b>initial capacity:</b>	≥ 1500 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...65 °C	discharge (≤1.0C)	
	0...45 °C	discharge (>1.0C)	
	- 20...50 °C	storage (≤3months)	
	- 20...40 °C	storage (≤6months)	
	- 20...30 °C	storage (≤24months)	

### Diagrams

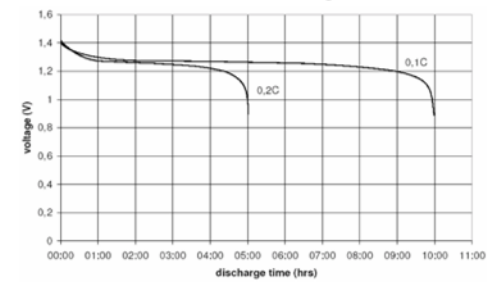
standard charge



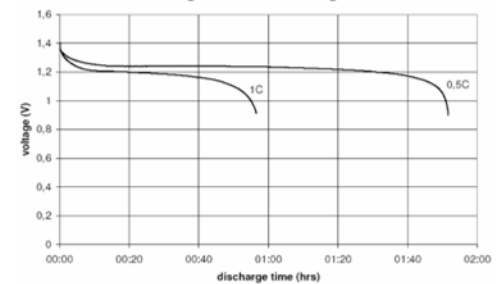
fast charge



low rate discharge



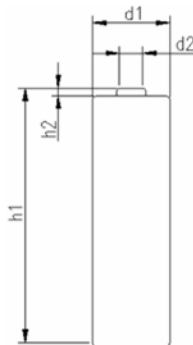
high rate discharge



### mechanical specifications

cell dimensions (incl. label)

diameter d1:	14 mm
diameter d2:	4.7 mm
height h1:	50 mm
height h2:	2 mm
weight:	28 g



**SIS**tech  
SWITZERLAND

### ACCUBATTERY

data sheet no. / part no.

version no.

author / date

**AA - 2100mAh low self discharge  
ready-to-use**

CH-AA-2100 VS