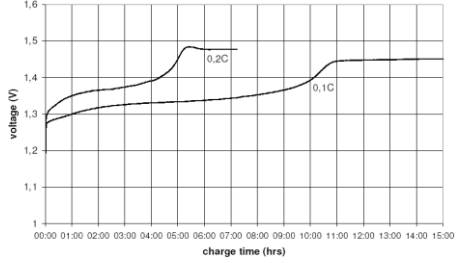
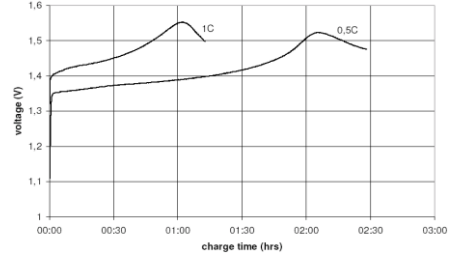
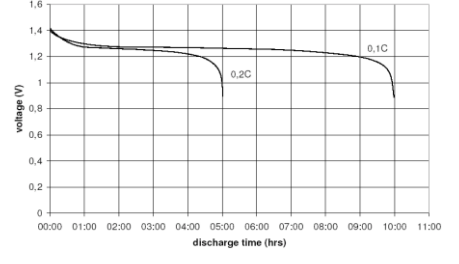
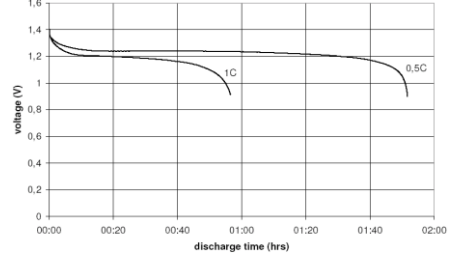
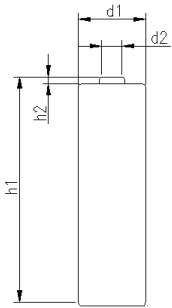



		Conditions	Diagrams
<b>cell type:</b>	NiMH		
<b>cell size:</b>	AA		
<b>nominal voltage:</b>	1.2 V		
<b>max. charge voltage:</b>	1.5 V	at standard charge (0.1C / 20°C)	<b>standard charge</b> 
<b>capacity</b>			
nominal:	2850 mAh	discharge at 0.2C	
minimum:	2650 mAh	discharge at 0.2C	
	2400 mAh	discharge at 1C	
		1.0V end discharge voltage ta: 20°C	
<b>max. continuous discharge current:</b>	5000 mA	ta: 0...45°C	<b>fast charge</b> 
<b>charge</b>	current	time	
standard charge:	265 mA	14...16hrs	
quick charge:	750 mA	4hrs	
fast charge:	2650 mA	1.1hr	
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	- ΔV (-deltaV) temperature rise per minute TCO (temperature cut off)	
trickle charge current:	10...30 mA	(recommended)	<b>low rate discharge</b> 
continuous overcharge: (less than 1 year)	≤ 100 mA	no conspicuous deformation no leakage	
<b>internal resistance:</b> (impedance)	≤ 35 mΩ	at 1KHz battery fully charged	
<b>life expectancy:</b>	≥ 500 cycles	acc. IEC standard	
<b>self discharge</b>			
charge retention after 360 days storage at 20°C:	≥ 40 %	of minimal battery capacity; at 0.2C discharge to EV 1.0V	
subsequent capacity:	≥ 1060 mAh		
<b>initial capacity:</b>	≥ 2000 mAh	within 30 days after delivery discharge at 0.2C	
<b>ambient temperature range:</b>	0...45 °C 10...40 °C - 20...65 °C - 20...50 °C - 20...45 °C - 20...35 °C	standard charge fast charge discharge storage (≤1month) storage (≤6months) storage (≤12months)	<b>high rate discharge</b> 
QCT1:	20/2500/40		
QCT2:	30/2350/45		
<b>mechanical specifications</b>			
cell dimensions			
diameter d1 (incl. label):	14.5 - 0.7	mm	
diameter d1 (bare cell):	14.3 - 0.7	mm	
diameter d2:	max. 5.5	mm	
height h1:	50.5 - 0.5	mm	
height h2:	min. 1.2	mm	
weight:	31 ± 2	g	
			
	<b>ANSMANN Specifications for model:</b>	<b>NiMH Battery</b>	
	data sheet no. / part no.	AA - 2850mAh reduced self discharge	
	supplier no.	5035092	
	author / date	701372	
		TG / 17.12.2019	