

		Conditions		Diagrams	
<b>cell type:</b>		NiMH			
<b>cell size:</b>		AAA			
<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>					
<b>nominal:</b>	800	mAh	discharge at 0.2C		
<b>minimum:</b>	800	mAh	discharge at 0.2C		
<b>maximum:</b>	760	mAh	discharge at 1C		
	850	mAh	discharge at 0.2C 1.0V end discharge voltage ta: 20°C		
<b>max. continuous discharge current:</b>	1600	mA	ta: 0...45°C		
<b>charge</b>		current	time		
<b>standard charge:</b>	80	mA	14...16hrs		
<b>quick charge:</b>	250	mA	4hrs		
<b>fast charge:</b>	800	mA	1.1hrs		
<b>recommended charge termination control parameters:</b>	0...5	mV	- delta V		
	0.8...1	°C	temperature rise per minute		
	45...50	°C	TCO (temperature cut off)		
<b>trickle charge current:</b>	8...30	mA	(recommended)		
<b>continuous overcharge: (less than 1 year)</b>	≤ 80	mA	no conspicuous deformation no leakage		
<b>internal resistance: (impedance)</b>	≤ 45	mΩ	at 1KHz battery fully charged		
<b>life expectancy:</b>	≥ 500	cycles	acc. IEC standard		
<b>self discharge</b>					
<b>charge retention:</b>	≥ 75	%	after 12 months storage at 20°C		
<b>initial capacity:</b>	≥ 550	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...50	°C	storage (≤3months)		
	- 20...40	°C	storage (≤6months)		
	- 20...30	°C	storage (≤24months)		
<b>QCT1:</b>	20/700/50				
<b>QCT2:</b>	30/600/50				
<b>mechanical specifications</b>					
<b>cell dimensions (incl. label)</b>					
<b>diameter d1:</b>	10.5	- 0.3	mm		
<b>diameter d2:</b>	5.0	± 1	mm		
<b>height h1:</b>	44.5	- 1.5	mm		
<b>height h2:</b>	0	+ 1	mm		
<b>weight:</b>	12	± 2	g		
				battery shrinked with green shrink tube	
				cell model name: HXY AAA850	
				(UL approved)	


**ANSMANN Specifications for model:**

data sheet no. / part no.

supplier no.

author / date

**AAA - 800mAh NiMH RTU battery  
Flat Top bulk package**

2311-3002

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