

		Conditions	Diagrams
cell type:	NiMH		
cell size:	AA		
nominal voltage:	1.2 V		
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)	<p>standard charge</p>
capacity			
nominal:	2000 mAh	discharge at 0.2C	
minimum:	1900 mAh	discharge at 0.2C	
	1800 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
max. continuous discharge current:	4000 mA	ta: 0...45°C	<p>fast charge</p>
charge	current	time	
standard charge:	200 mA	14...16hrs	
quick charge:	575 mA	4hrs	
fast charge:	2000 mA	1.1hrs	
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:	10...40 mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 200 mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 35 mΩ	at 1KHz battery fully charged	
life expectancy:	≥ 1500 cycles	acc. IEC standard	
self discharge			
charge retention:	≥ 80 %	after 12 months storage at 20°C	
initial capacity:	≥ 1400 mAh	within 30 days after delivery discharge at 0.2C to 1.0V	
ambient temperature range:	0...45 °C	standard charge	
	0...40 °C	fast charge	
	0...50 °C	discharge	
	- 20...50 °C	storage (≤3months)	
	- 20...40 °C	storage (≤6months)	
	- 20...30 °C	storage (≤24months)	
QCT1:	20/1850/35		
QCT2:	30/1750/35		
mechanical specifications			
cell dimensions (with tube)			
diameter d1:	14.4 - 0.5 mm		
diameter d2:	max. 5.5 mm		
height h1:	50.5 - 0.5 mm		
height h2:	min. 1.2 mm		
weight:	27 ± 2 g		
batterybox dimensions			
depth d3:	67 mm		
width w1:	55 mm		
height h3:	22 mm		
weight:	12 g		
total weight:	120 ± 8 g		

	ANSMANN Specifications for model:	Ansmann maxE PRO AA - 2000mAh RTU battery 4pcs box
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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice