

nominal voltage: 1,2V
max. charge voltage: 1,5V

capacity
 nominal : 2100mAh
 minimal: 1900mAh
 1800mAh

max. continuous discharge current: 4200mA

charge
 standard charge: 210mA
 quick charge: 800mA
 fast charge: 1050mA

recommended charge termination control parameters:
 -dV: 5....10mV
 dT/dt: 0,8....1 °C per min
 TCO: 40...50 °C

trickle charge current: 20....100mA (recommended)

continuous overcharge: ≤100mA (less than 1 year)

internal resistance: ≤30mOhms

life expectancy: >500 cycles

self discharge
 charge retention: ≥75%

ambient temperature range: 0....45 °C
 0....40 °C
 -20....65 °C
 -20....50 °C
 -20....40 °C
 -20....35 °C

conditions
 at standard charge (0,1C / 20 °C)
 discharge at 0,2C
 discharge at 0,2C
 discharge at 1C
 1,0V end discharge voltage
 ambient temperature 20 °C

ambient temperature 20....50 °C

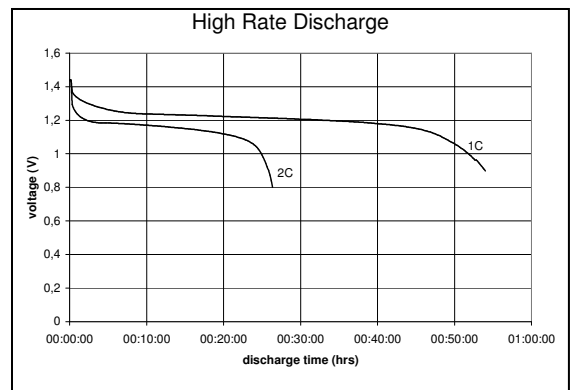
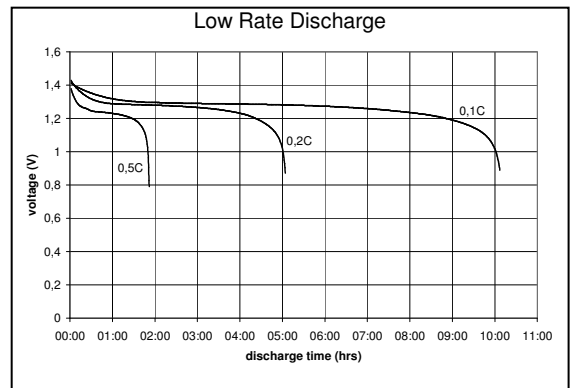
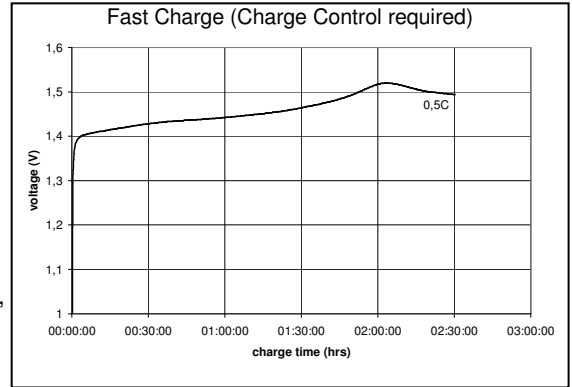
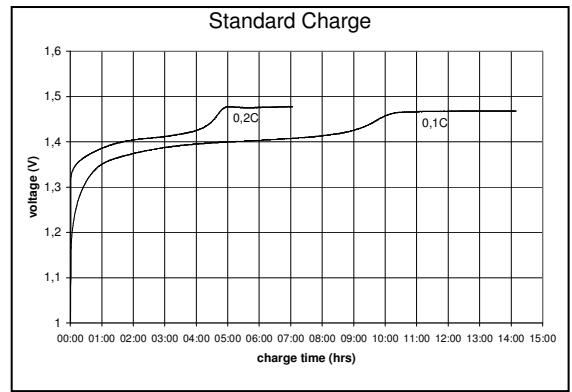
charge current charge time
 210mA 16hrs at 20 °C
 800mA 3hrs
 1050mA 2,2hrs

at 1000Hz, battery fully charged

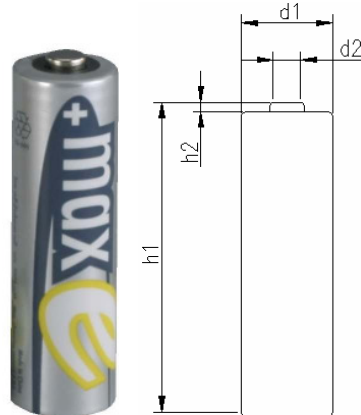
IEC standard

after 12months storage at 20 °C

standard charge
 fast charge
 discharge
 storage less than 30 days
 storage less than 3 months
 storage less than 1 year



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mechanical specifications

cell dimensions (with sleeve)
 diameter d1: 14,3 – 0,4mm
 diameter d2: 5,5 – 0,5mm
 height h1: 50,4 – 0,5mm
 height h2: min. 1,0mm
 weight: approx. 28g

	specifications for model/type:	AA – NiMH 2100mAh Max e (2pcs)
		low self discharge cell
	Ansmann drawing number / part number:	5030992
	author / date:	Gramlich / 18.05.2007