

<b>nominal voltage</b>	1.2 V	conditions		
<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		
minimal	>1890 mAh	discharge at 1C		
typical	2050mAh	discharge at 0.2C		
		1.0V end discharge voltage		
		ambient temperature 20°C		
		discharge at 0.2C °C		
<b>Low Temperature Discharge</b>	>1500mAh	discharged at 0.2C at -10°C		
<b>max. discharge current</b>	6300 mA	ambient temperature 20...50°C		
<b>charge</b>				
standard charge	charge current 210 mA	charge time 15hrs at 20°C		
quick charge	700 mA	3.2hrs for empty battery		
max. charge	2100mA	55mins		
recommended charge	-dV	0...10 mV		
termination control	dT/dt	0.8...1°C per min		
parameters	TCO	40...50°C		
trickle charge current	60...105 mA	(recommended)		
<b>Charge retention</b>	>1800mAh	discharge at 0.2C after storage 28 days at 20+/-5°C		
	>1600mAh	discharge at 0.2C after storage 6 months at 20+/-5°C		
	>1200mAh	discharge at 0.2C after storage 12 months at 20+/-5°C		
<b>internal resistance</b>	<25 mOhms	at 1000Hz		
		battery fully charged		
<b>life expectancy</b>	>1000 cycles	IEC61951-2 standard		
<b>ambient temperature range</b>	0...45°C	standard charge		
	10...45°C	fast charge		
	-20...50°C	discharge		
	-10...45°C	storage less than 3 months		
	-10...35°C	storage less than 1 year		

  
  

DATA SHEET FOR	Ni-MH AA
MODEL/TYPE	2100mAh Battery
VAPEXTECH DRAWING	in2100AA
NUMBER / PART NUMBER	
DRAWN BY / DATE	Herry
	Li/2007/05/30

**mechanical specifications**  
cell dimensions (with sleeve)  
diameter d1 14.30-0.5 mm  
diameter d2 5.0+/-0.4 mm  
height h1 50.35-0.5 mm  
height h2 1.5-0.3 mm  
weight approx. 27 g

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.