

nominal voltage	1.2 V	conditions		
max. charge voltage	1.5 V	at standard charge (0.1C/20°C)		
capacity				
nominal	2500 mAh	discharge at 0.2C		
minimal	>2125 mAh	discharge at 1C		
typical	2300 mAh	discharge at 0.2C		
		1.0V end discharge voltage		
		ambient temperature 20°C		
		discharge at 0.2C °C		
Low Temperature Discharge	>1750mAh	discharged at 0.2C at -10°C		
max. discharge current	7500 mA	ambient temperature 20...50°C		
charge				
standard charge	charge current 250 mA	charge time 15hrs at 20°C		
quick charge	700 mA	3.8hrs for empty battery		
max. charge	2500mA	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	75...125 mA	(recommended)		
Charge retention	>2125mAh	discharge at 0.2C after storage 28 days at 20+/-5°C		
	>1750mAh	discharge at 0.2C after storage 6 months at 20+/-5°C		
	>1500mAh	discharge at 0.2C after storage 12 months at 20+/-5°C		
internal resistance	<25 mOhms	at 1000Hz battery fully charged		
life expectancy	>1000 cycles	IEC61951-2 standard		
ambient temperature range	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
VAPEXTECH DRAWING	in2500AA
DRAWN BY / DATE	Herry Li/2011/03/10

mechanical specifications
cell dimensions (with sleeve)
diameter d1 14.35-0.5 mm
diameter d2 5.0+/-0.4 mm
height h1 50.35-0.5 mm
height h2 1.5-0.3 mm
weight approx. 28 g

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