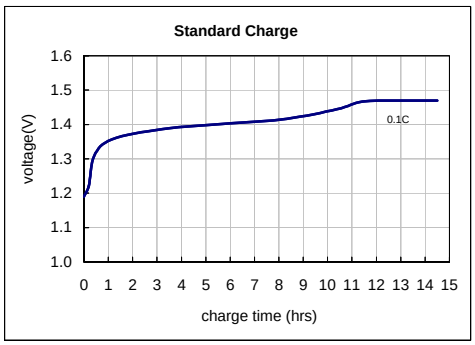
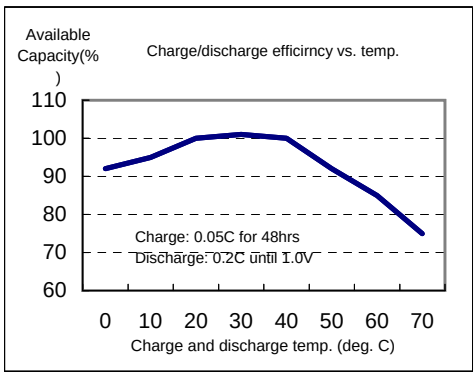
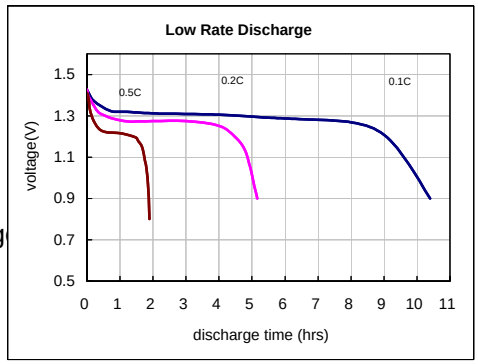
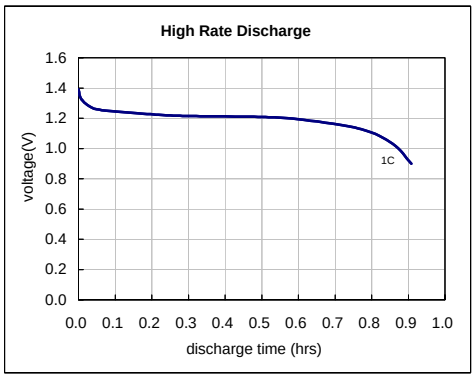
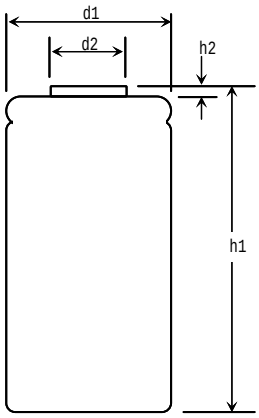
		conditions
nominal voltage	1.2 V	
max. charge voltage	1.5 V	at standard charge (0.1C/20°C)
capacity		
nominal	1600mAh	discharge at 0.2C
	>1440 mAh	discharge at 1C
minimal	1600mAh	discharge at 0.2C
Typical	1680mAh	1.0V end discharge voltage ambient temperature 20°C
max. discharge current	4.8A	ambient temperature 20…50°C
charge	charge current	charge time
Trickel charge	80 mA	48hrs at 20°C
standard charge	160 mA	15hrs at 20°C
trickle charge current	80…160 mA	(recommended)
Trickel Charge Life	>=4year	0.05C (0~70°C)
continuous overcharge (less than 1 year)	<160 mA	no conspicuous deformation no leakage
internal resistance	<25 mOhms	at 1000Hz battery fully charged
life expectancy	>500 cycles	IEC61951-1 Permanent Charge Endurance Test
Charge retention	>1040 mAh	discharge at 0.2C after storag 28 days at 20+/-5°C
ambient temperature range	0…70°C	standard charge
	-20…70°C	discharge
	-20…35°C	more than 1 week
	-20…60°C	less than 1 week











mechanical specifications

cell dimensions (with sleeve)

diameter d1	17.0-0.5 mm
diameter d2	8.0+/-0.4 mm
height h1	43.0-0.5 mm
weight	approx. 33 g

DATA SHEET FOR	Ni-MH A
VAPEXTECH DRAWING	VTE1600AAHT
DRAWN BY / DATE	Herry Li/2005/10/25

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

VAPEX TECHNOLOGY LIMITED.