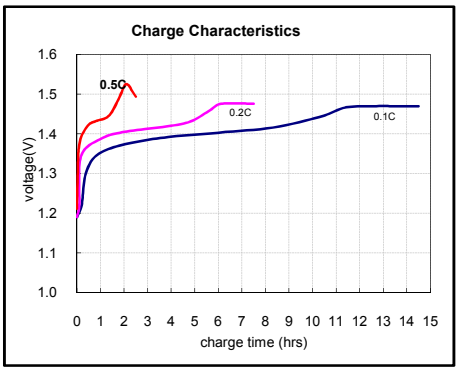
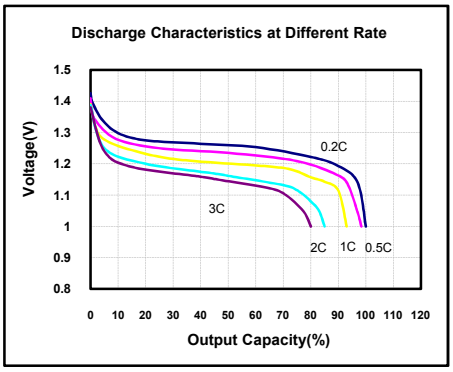
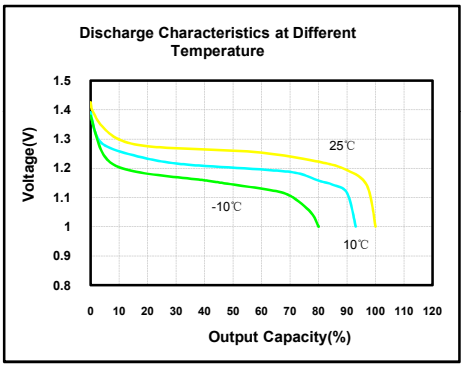
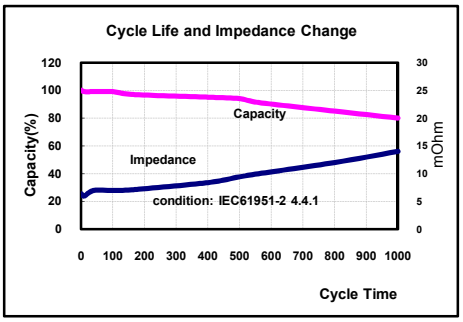
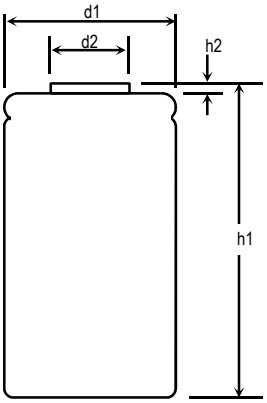
		conditions
nominal voltage	1.2 V	
max. charge voltage	1.5 V	at standard charge (0.1C/20℃)
capacity		
nominal	4000mAh	discharge at 0.2C
	>3600 mAh	discharge at 1C
minimal	4000mAh	discharge at 0.2C 1.0V end discharge voltage ambient temperature 20℃
typical	4100mAh	discharge at 0.2C ℃
Low Temperature Discharge	>3000mAh	discharged at 0.2C at -10℃
max. discharge current	12000 mA	ambient temperature 20…50℃
charge	charge current	charge time
standard charge	400 mA	15hrs at 20℃
quick charge	1200 mA	3.5hrs for empty battery
recommended charge	-dV	0…10 mV
termination control	dT/dt	0.8…1℃ per min
parameters	TCO	40…50℃
trickle charge current	120…200 mA	(recommended)
Charge retention	>3600mAh	discharge at 0.2C after storage 28 days at 20+/-5℃
	>3200mAh	discharge at 0.2C after storage 6 months at 20+/-5℃
	>2400mAh	discharge at 0.2C after storage 12 months at 20+/-5℃
internal resistance	<6.5 mOhms	at 1000Hz battery fully charged
life expectancy	>1000 cycles	IEC61951-2 standard
ambient temperature range	0…45℃	standard charge
	10…45℃	fast charge
	-20…50℃	discharge
	-10…45℃	storage less than 3 months
	-10…35℃	storage less than 1 year











mechanical specifications

cell dimensions (with sleeve)

diameter d1	25.5+/-0.5 mm
diameter d2	8.0+/-0.4 mm
height h1	50.0-1.5 mm
height h2	2.8-0.5 mm
weight	approx. 76 g

DATA SHEET FOR	Ni-MH instant C
VAPEXTECH DRAWING	in4000C
DRAWN BY / DATE	Herry Li/2009/02/20

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

VAPEX TECHNOLOGY LIMITED.