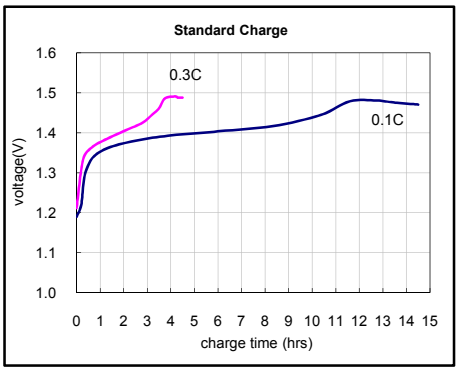
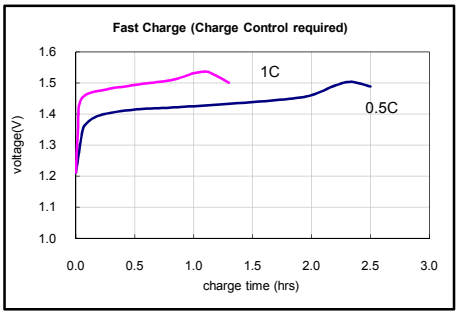
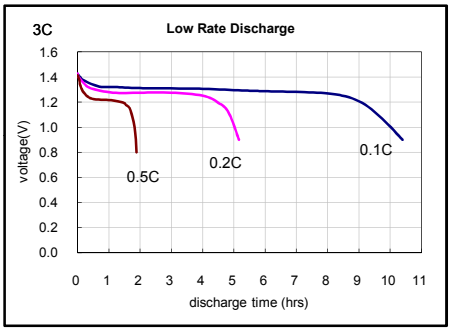
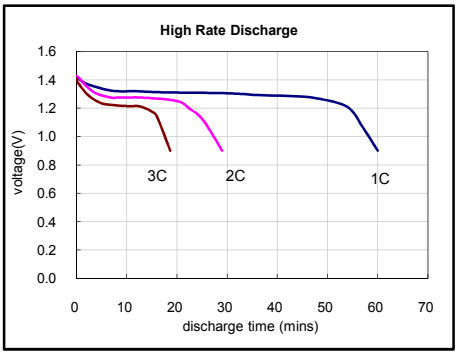
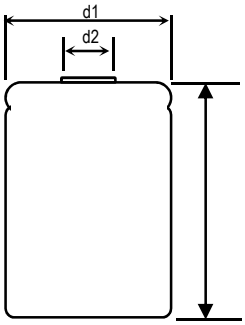
		conditions
nominal voltage	1.2 V	
max. charge voltage	1.5 V	at standard charge (0.1C/20℃)
capacity		
nominal	1400mAh	discharge at 0.2C
	>1200 mAh	discharge at 1.4A
minimal	1250mAh	discharge at 0.2C
typical	1300mAh	discharge at 0.2C
		1.0V end discharge voltage
		ambient temperature 20℃
max. discharge current	4200mA	ambient temperature 20…50℃
charge	charge current	charge time
standard charge	140 mA	15hrs at 20℃
quick charge	700 mA	2.2hrs for empty battery
Fast charge	1400mA	50mins for empty battery
recommended charge termination control parameters	-dV	0…5 mV
	dT/dt	0.8…1℃ per min
	TCO	40…45℃
trickle charge current	42…70 mA	(recommended)
continuous overcharge (less than 1 year)	<70 mA	no conspicuous deformation no leakage
internal resistance	Average 18 mOhms (15~20mOhms)	at 1000Hz battery fully charged
life expectancy	>500 cycles	IEC61951-2 standard
Charge retention	>980mAh	discharge at 0.2C after storage 28 days at 20+/-5℃
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	17.0-0.5 mm
diameter d2	8.0+/-0.5 mm
height h1	28.5-1.0 mm
weight	approx. 21 g

DATA SHEET FOR	Ni-MH 2/3A 1400mAh
VAPEXTECH DRAWING	**VP1400AF**
DRAWN BY / DATE	Herry Li/2006/4/25

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

VAPEX TECHNOLOGY LIMITED