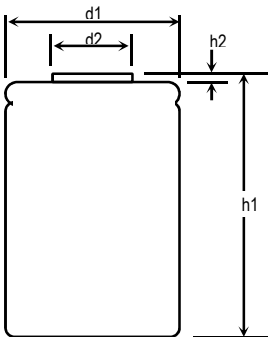
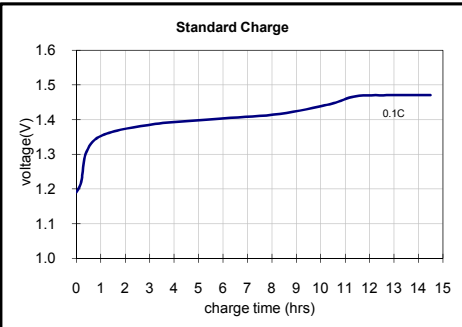
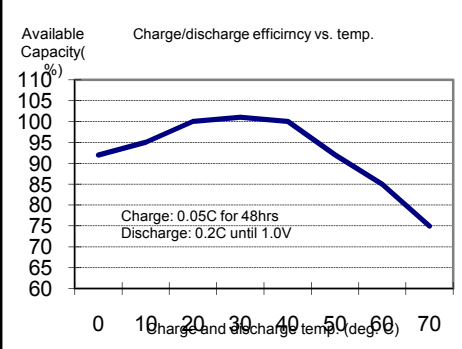
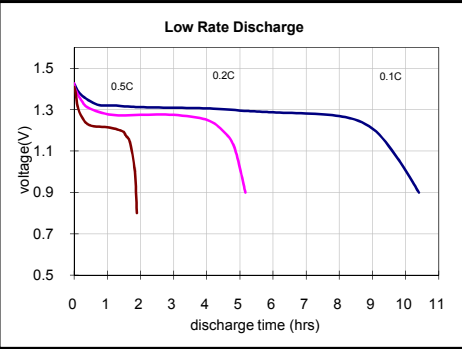


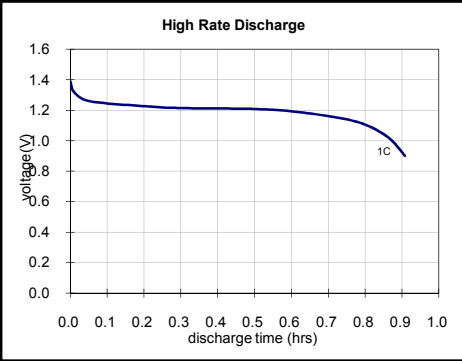
nominal voltage	1.2 V	conditions	
max. charge voltage	1.5 V	at standard charge (0.1C/20°C)	
capacity			
nominal	4500mAh	discharge at 0.2C	
minimal	>4050 mAh	discharge at 1C	
Typical	4800mAh	discharge at 0.2C	
		1.0V end discharge voltage	
		ambient temperature 20°C	
max. discharge current	9A	ambient temperature 20...50°C	
charge	charge current	charge time	
Trickle charge	225 mA	48hrs at 20°C	
standard charge	450 mA	15hrs at 20°C	
trickle charge current	225...450 mA	(recommended)	
Trickle Charge Life	>=4year	0.05C (0~70°C)	
continuous overcharge (less than 1 year)	<450 mA	no conspicuous deformation	
		no leakage	
internal resistance	<12 mOhms	at 1000Hz	
		battery fully charged	
life expectancy	>500 cycles	IEC61951-1 Permanent Charge Endurance Test	
Charge retention	>3150mAh	discharge at 0.2C after storage 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	32.5+/-0.5 mm
diameter d2	10.0+/-0.4 mm
height h1	60.0-1.5 mm
weight	approx. 122 g

DATA SHEET FOR	Ni-Cd D
VAPEXTECH DRAWING	VTC4500DT
DRAWN BY / DATE	Herry Li/2005/10/25

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