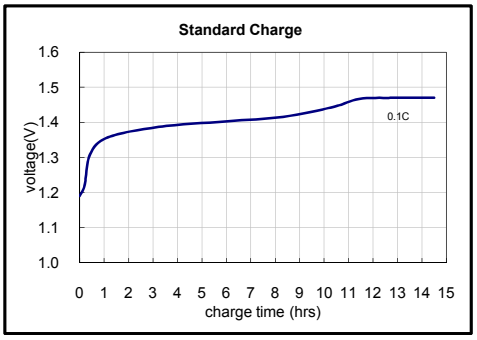
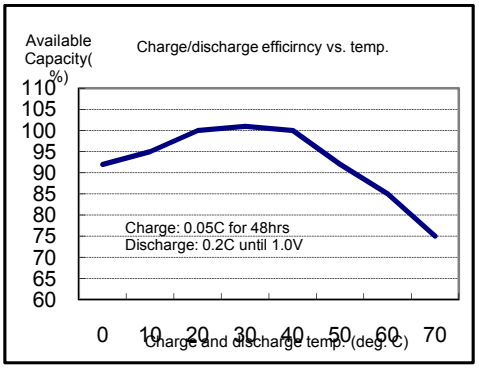
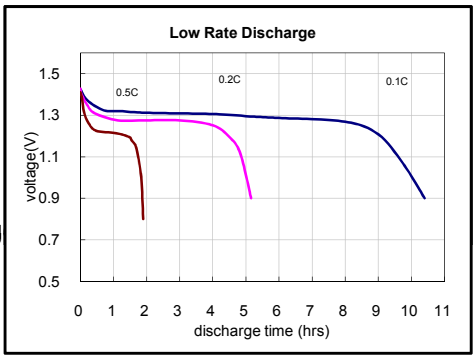
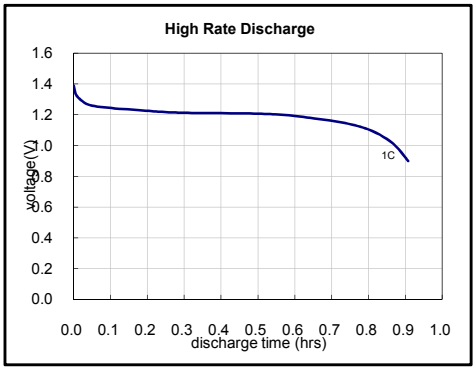
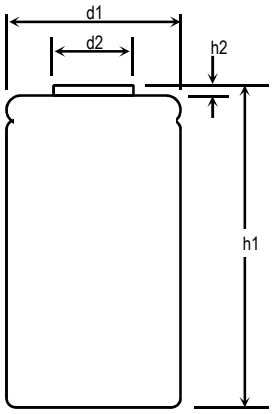
		conditions
nominal voltage	1.2 V	
max. charge voltage	1.5 V	at standard charge (0.1C/20℃)
capacity		
nominal	1800mAh	discharge at 0.2C
	>1620 mAh	discharge at 1C
minimal	1800mAh	discharge at 0.2C
Typical	1850mAh	1.0V end discharge voltage ambient temperature 20℃
max. discharge current	5.4A	ambient temperature 20…50℃
charge	charge current	charge time
Trickel charge	90 mA	48hrs at 20℃
standard charge	180 mA	15hrs at 20℃
trickle charge current	90…180 mA	(recommended)
Trickel Charge Life	>=4year	0.05C (0~70℃)
continuous overcharge (less than 1 year)	<180 mA	no conspicuous deformation no leakage
internal resistance	<15 mOhms	at 1000Hz battery fully charged
life expectancy	>500 cycles	IEC61951-1 Permanent Charge Endurance Test
Charge retention	>1260mAh	discharge at 0.2C after storag 28 days at 20+/-5℃
ambient temperature range	0…70℃	standard charge
	-20…70℃	discharge
	-20…35℃	more than 1 week
	-20…60℃	less than 1 week











mechanical specifications

cell dimensions (with sleeve)	
diameter d1	22.0+/-0.5 mm
diameter d2	10.0+/-0.4 mm
height h1	42.5-0.5 mm
weight	approx. 48 g

DATA SHEET FOR	Ni-Cd SC
VAPEXTECH DRAWING	VTC1800SCT
DRAWN BY / DATE	Herry Li/2005/10/25

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