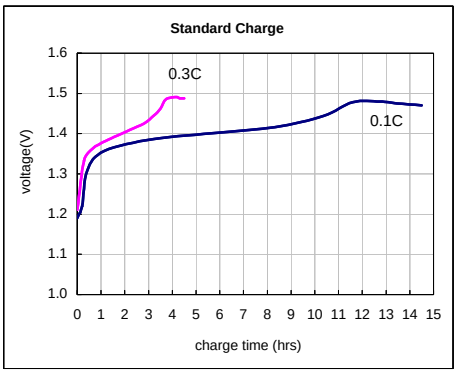
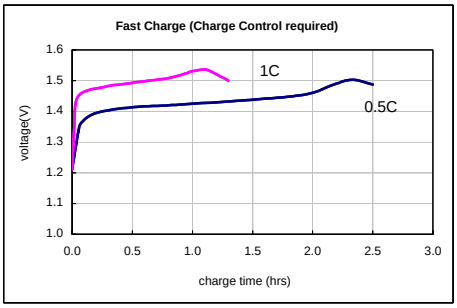
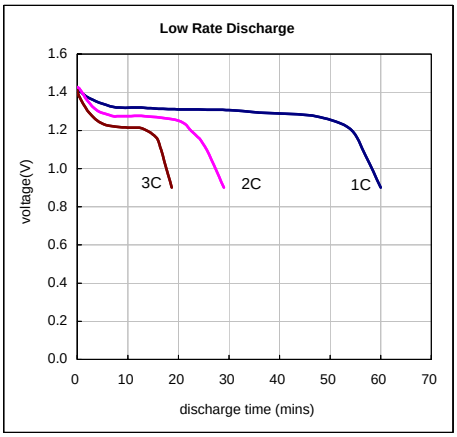
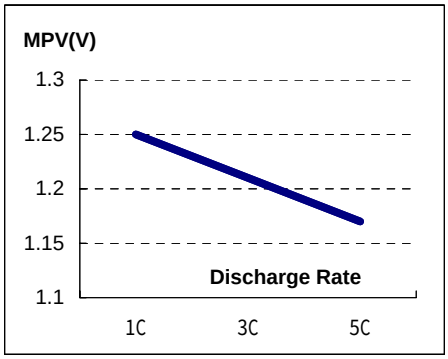
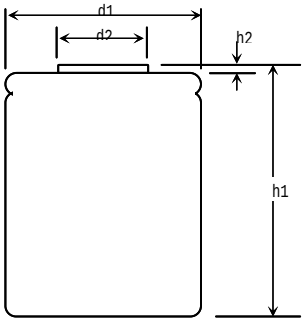
		conditions
nominal voltage	1.2 V	
max. charge voltage	1.5 V	at standard charge (0.1C/20℃)
capacity		
nominal	8500mAh	discharge at 0.2C
	>8100 mAh	discharge at 30A
minimal	8100mAh	discharge at 30A
typical	8300mAh	discharge at 30A 0.8V end discharge voltage ambient temperature 20℃
max. discharge current	30A	ambient temperature 20…50℃
MPV	>=1.18V	discharge at 30A
charge	charge current	charge time
standard charge	850 mA	15hrs at 20℃
quick charge	4250mA	132minutes for empty battery
recommended charge	-dV	0…5 mV
termination control	dT/dt	0.8…1℃ per min
parameters	TCO	50…55℃
trickle charge current	255…425 mA	(recommended)
continuous overcharge (less than 1 year)	<425 mA	no conspicuous deformation no leakage
internal resistance	Average 3 mOhms (2~4mOhms)	at 1000Hz battery fully charged
life expectancy	>500 cycles	IEC61951-2 standard
Charge retention	>5950mAh	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	32.5-0.5 mm
diameter d2	10.0+/-0.5 mm
height h1	60.5-0.5 mm
weight	approx. 170 g

DATA SHEET FOR	Ni-MH D 8500mAh
VAPEXTECH DRAWING	**VTE8500DP**
DRAWN BY / DATE	Herry Li/2006/02/20

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