

nominal voltage 1.2 V
max. charge voltage 1.5 V

capacity
 nominal 4300mAh
 >4000 mAh
 minimal 4000mAh
 typical 4200mAh

max. discharge current 35A

Average Voltage $\geq 1.15V$
charge
 charge current $\geq 430\text{ mA}$
 standard charge 430 mA
 quick charge 6 A
 recommended charge -dV
 termination control dT/dt
 parameters TCO

trickle charge current 129...215 mA

continuous overcharge <430 mA
 (less than 1 year)

internal resistance Average 2.5 mOhms
 (2~3mOhms)

life expectancy >500 cycles

Charge retention >3010mAh

ambient temperature range 0...45°C
 10...45°C
 -20...50°C
 -10...45°C
 -10...35°C

conditions

at standard charge
 (0.1C/20°C)

discharge at 0.2C
 discharge at 30A
 discharge at 30A
 0.8V end discharge voltage
 ambient temperature 20°C

ambient temperature
 20...50°C
 discharge at 30A
 charge time
 15hrs at 20°C
 50minutes for empty battery
 0...5 mV
 0.8...1°C per min
 40...45°C

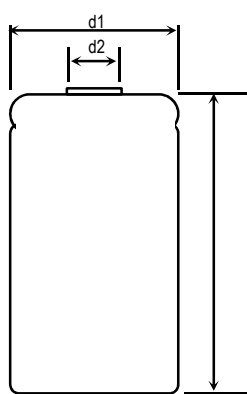
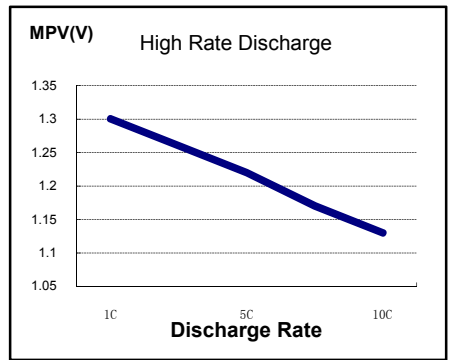
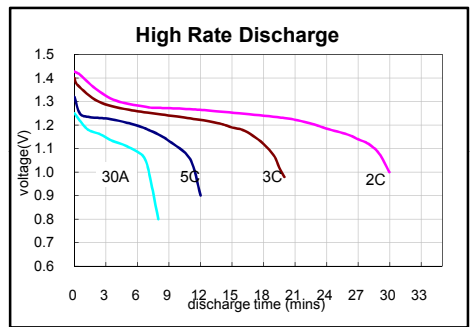
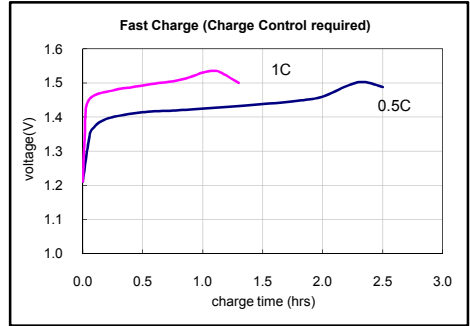
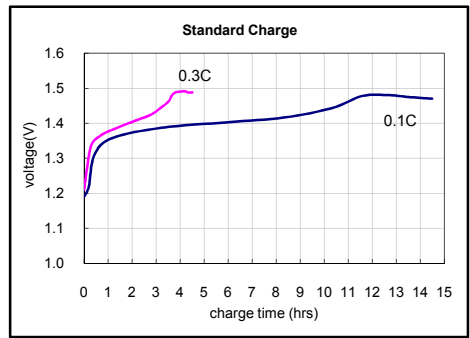
(recommended)

no conspicuous deformation
 no leakage

at 1000Hz
 battery fully charged

IEC61951-2 standard

discharge at 0.2C after storage
 28 days at 20+/-5°C
 standard charge
 fast charge
 discharge
 storage less than 3 months
 storage less than 1 year



mechanical specifications
 cell dimensions (with sleeve)
 diameter d1 23.0-0.5 mm
 diameter d2 9.1+/-0.5 mm
 height h1 44.3-0.5 mm
 weight approx. 68 g

DATA SHEET FOR	Ni-MH SC 4300mAh
VAPEXTECH DRAWING	VP4300SC
DRAWN BY / DATE	Herry Li/2006/5/7

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