

nominal voltage 1.2 V
max. charge voltage 1.5 V

capacity
 nominal 4300mAh
 Minimum >4200 mAh
 Runtime Capacity 0448 sec
 typical 0480 sec

max. discharge current 35A

Average Voltage >=1.23V
 Average Voltage >=1.24V

charge
 charge current 430 mA
 standard charge 430 mA
 quick charge 6 A
 recommended charge -dV
 termination control dT/dt
 parameters TCO

trickle charge current 130...215 mA

continuous overcharge <430 mA
 (less than 1 year)

internal resistance Average 1.8 mOhms
 (2.0~2.5mOhms)
 (1.5~2.0mOhms)

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 30A
 tested on CE TM-4
 discharge at 35A
 0.9V end discharge voltage
 ambient temperature 20°C

ambient temperature 20...50°C

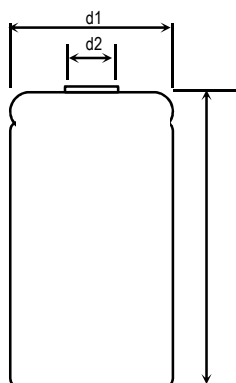
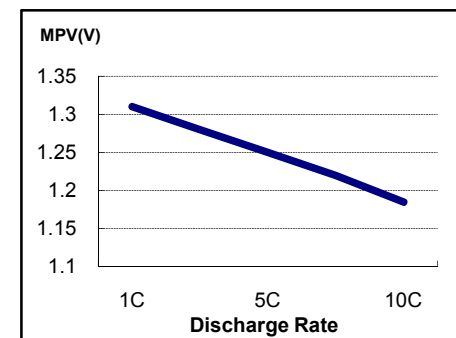
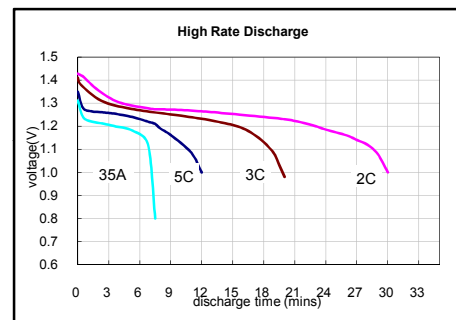
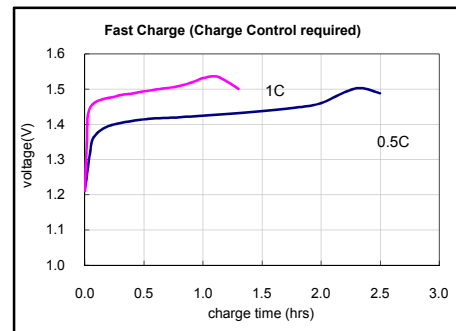
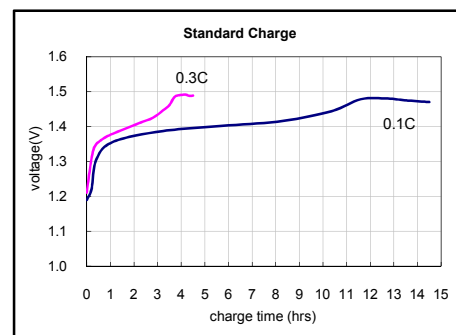
discharge at 30A
 discharge at 30A / after Zapped
 charge time 15hrs at 20°C
 50minutes for empty battery
 0...5 mV
 0.8...1°C per min
 40...45°C

(recommended)

no conspicuous deformation
 no leakage

at 1000Hz
 battery fully charged
 after Zapped
 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/-0.5 mm
 diameter d2 10.0 +0/-0.5 mm
 height h1 43.0+0 / -0.5 mm
 weight approx. 70 g

DATA SHEET FOR	Ni-MH SC 4300mAh
VAPEXTECH DRAWING	VP4300SCUHP
DRAWN BY / DATE	Herry Li/2009/3/25

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