

**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  $\geq 1.18V$   
 Average Voltage  $\geq 1.21V$

**charge**  
 charge current  
 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  
 10...45  
 -20...50  
 -10...45  
 -10...35

conditions

at standard charge (0.1C/20 )

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

ambient temperature 20...50

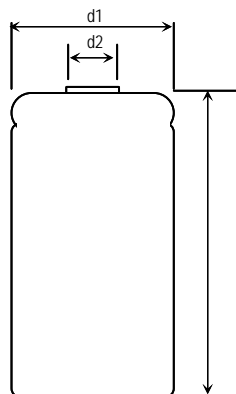
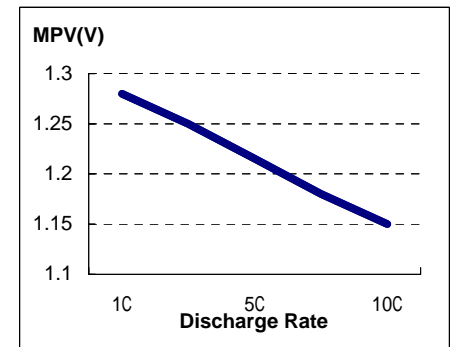
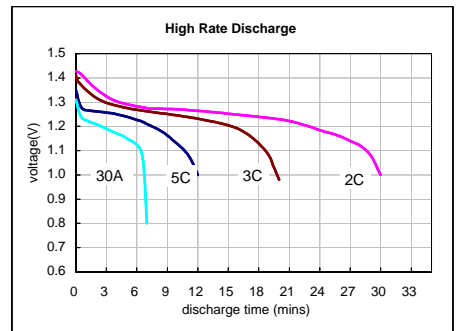
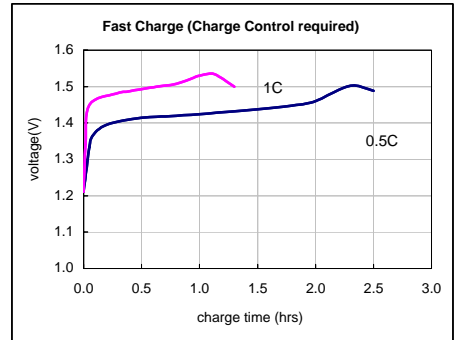
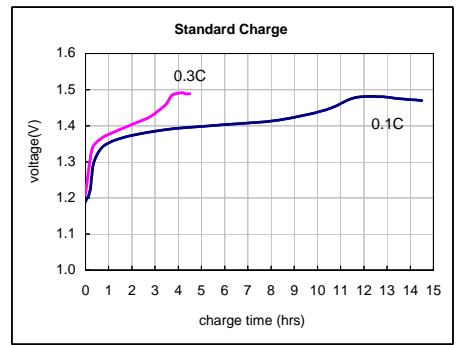
discharge at 30A  
 discharge at 30A / after Zapped  
 charge time 15hrs at 20  
 50minutes for empty battery  
 0...5 mV  
 0.8...1 per min  
 40...45

(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  
 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. 67 g

DATA SHEET FOR	Ni-MH SC 4300mAh
VAPEXTECH DRAWING	VP4300SCUP
DRAWN BY / DATE	Herry Li/2006/3/20

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