

nominal voltage 1.2 V
max. charge voltage 1.5 V

capacity
 nominal 5000mAh
 >4600 mAh
 minimal 4600mAh
 typical 4600mAh

max. discharge current 35A

 Average Voltage $\geq 1.17V$
charge
 standard charge 500 mA
 quick charge 6 A
 recommended charge -dV
 termination control dT/dt
 parameters TCO

 trickle charge current 150...250 mA

 continuous overcharge (less than 1 year) <500 mA

internal resistance Average 2.5 mOhms (2~3mOhms)

life expectancy >500 cycles

Charge retention >3500mAh

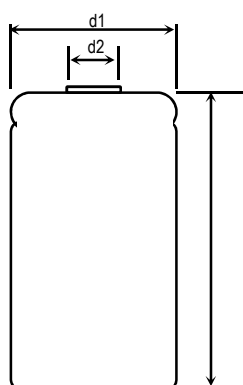
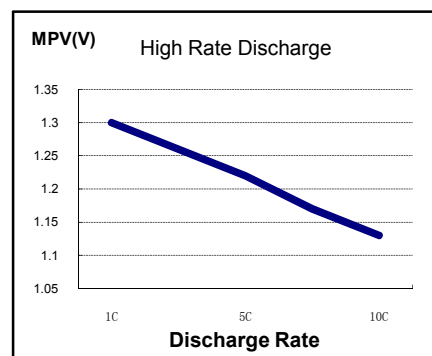
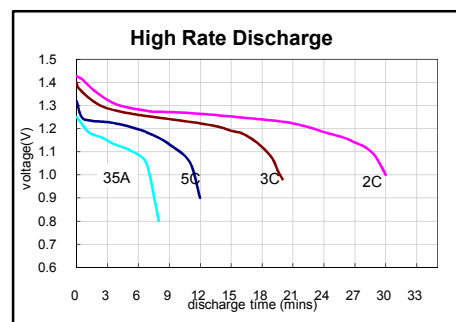
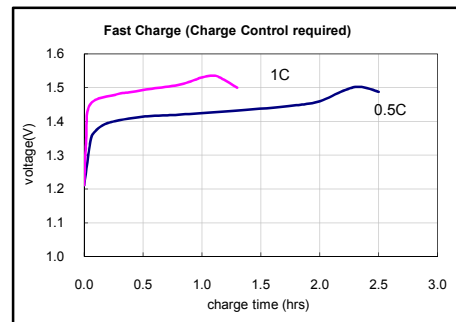
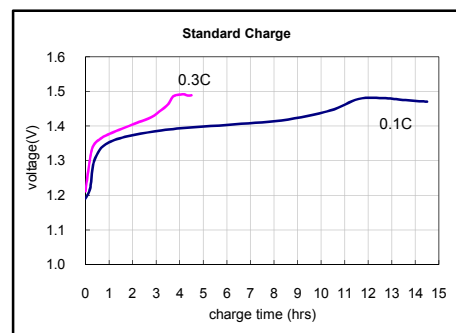
ambient temperature range 0...45°C
 10...45°C
 -20...50°C
 -10...45°C
 -10...35°C

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)



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. 70 g

DATA SHEET FOR	Ni-MH SC 5000mAh
VAPEXTECH DRAWING	VP5000SC
DRAWN BY / DATE	Herry Li/2009/04/20

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