

Ni-MH Battery

SC300 (HR23/43)

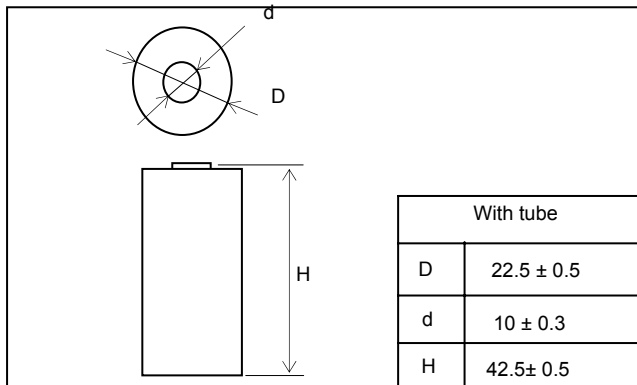
Data Sheet

Nominal Voltage:	1.2 V
Nominal Capacity:	3100 mAh
Minimal Capacity:	3000 mAh
Standard Charge:	300 mA, 16 hrs
Rapid Charge:	1500 mA, 2.4 hrs (control required)
Continuous Discharge:	less than 9000 mA
Final Discharge Voltage:	1.0 V (less than 1.0C)
Weight:	58 g (Approx)
Service Life:	≥ 500 cycles
(According to IEC 61951-2-2003)	
Internal Resistance:	≤15 mΩ (Approx)
Ambient Temperature:	Standard charge: 0 ~ 45°C
	Rapid charge: 10 ~ 45°C
	Discharge: -20 ~ 50°C
Store (65+20% RH):	Less than 30 days: -20 ~ 50°C
	Less than 90 days: -20 ~ 40°C
	Less than 360 days: -20 ~ 30°C

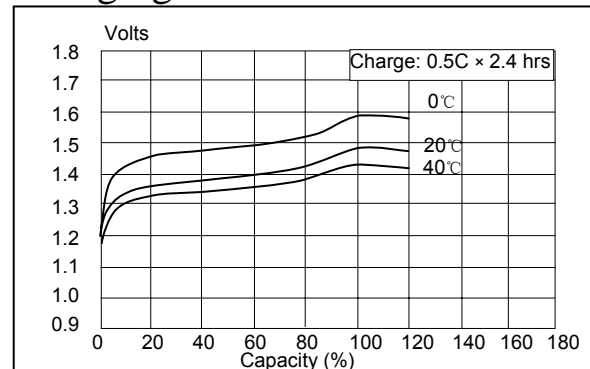
Note:

- Capacity obtained after charge at 0.1C for 16 hrs and discharge at 0.2C to 1.0V at 20°C
- Control required: 1) $-\Delta V$: 5 ~ 10mV
2) $d T / d t$: 0.8°C / min
3) T_{co} : 45~50°C

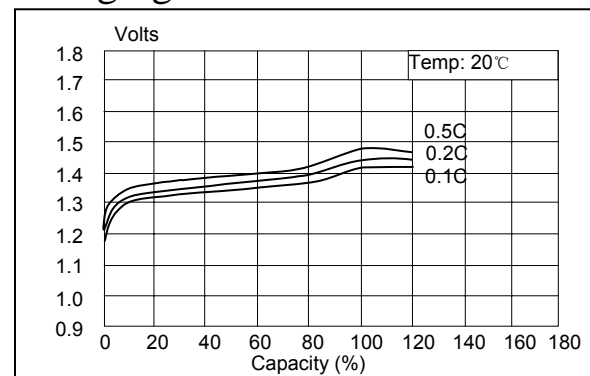
Dimensions (mm)



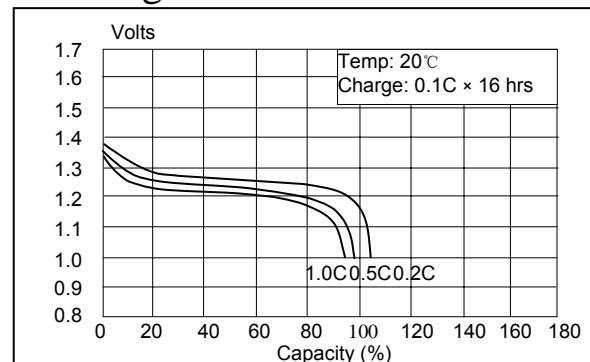
Charging Characteristics (I)



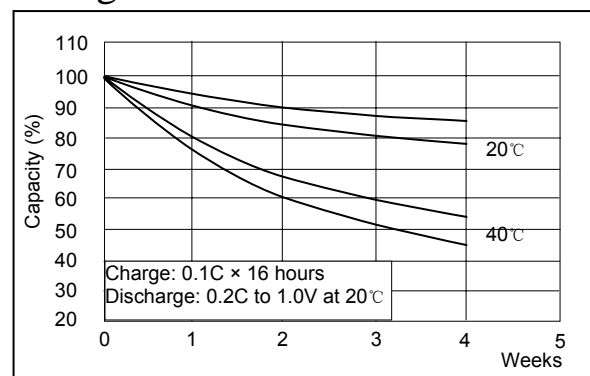
Charging Characteristics (II)



Discharge Characteristics



Storage Characteristics



All data contained herein is for single cell and may vary for cell with specific configuration, subject to change without prior notice.