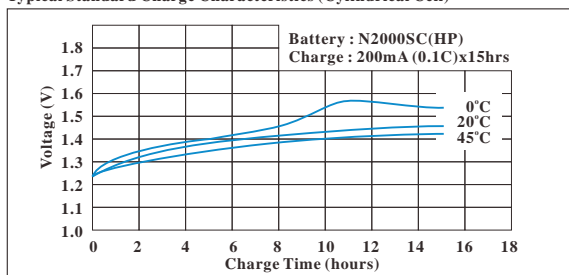


# NICD RECHARGEABLE CYLINDRICAL BATTERY

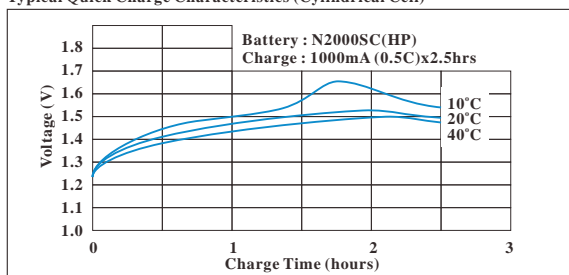
## SPECIFICATIONS

Model	: N2000SC(HP)
Description	: NiCd rechargeable battery, 'SC' size, flat cap, high power type
Nominal Capacity	: 2000 mAh at 400mA rate discharge (3 cycles allowed)
Nominal Voltage	: 1.2 Volt (After charge)
Cut-Off Voltage	: 1.0 Volt
End of Charge Voltage	: $\leq 1.6$ Volt
Approx. Weight	: 49 gram
Internal Impedance	: $< 12m$ upon full charge at 1KHz AC testing
Life Duration	: $\geq 500$ cycles (Comply to IEC 61951-1 Ed. 4.0:2017)
Charge	: Trickle - 60-100 mA Recommend/Standard - 200 mA x 14-16 hours Quick - 1000 mA x 2.5 hours (with cut-off control)
Discharge	: Max 20A (10C) continuous, Max. 30A (15C) momentary
Temperature Environment	: Standard charge - 0 degC to 45 degC Quick charge - 10 degC to 40 degC Discharge - -20 degC to 60 degC Storage - -20 degC to 40 degC (within 6 months)
Trickle Charge	: 100mA for 28 days, no leakage, no explosion
Charge Retention	: $>60\%$ for 28 days storage after standard charge
Leakage	: No leakage, No explosion under standard operating condition
Vibration Test (for cell)	: Battery remain normal after vibration at Amp: 4mm; Freq.: 1000/min for 60 min.
Shock Test (for cell)	: Battery remain normal after dropping from 450mm to an Oak board for 3 times

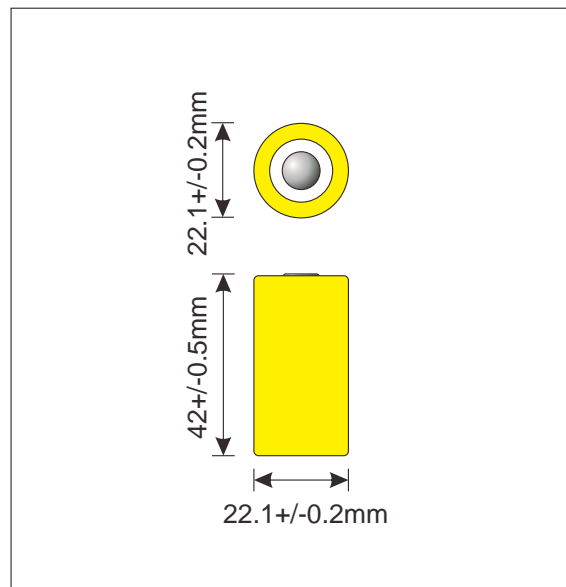
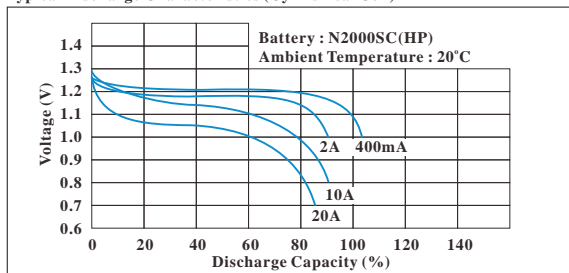
Typical Standard Charge Characteristics (Cylindrical Cell)



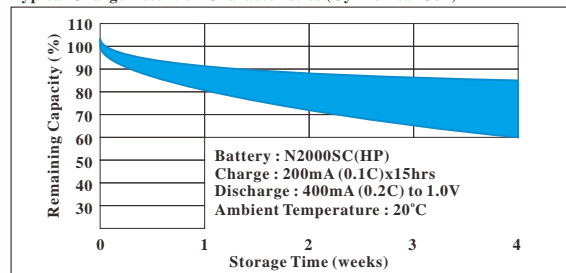
Typical Quick Charge Characteristics (Cylindrical Cell)



Typical Discharge Characteristics (Cylindrical Cell)



Typical Charge Retention Characteristics (Cylindrical Cell)



Information is for references only. Performance varies with time, usage and storage condition. 1 year limited guarantee against manufacturing defects. Other problem caused by misuse, mishandling of cell, or malfunction of equipment, is not under the warranty.

Model : N2000SC(HP)  
Version : 2.60

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**IFC06-3**