

SPECIFICATIONS OF SINGLE CELL

Type Nickel-Metal Hydride cylindrical single cell
Model 1.2V Ni-Mh SC 2200 – 10C

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Standard Charge	220 mA (0.1C)	Ambient temperature of 20±5°C, Relative Humidity: 65±20%
	16 hrs	
Standard Discharge	440 mA (0.2C)	Standard charge, the final voltage is 1.0V
Rapid Charge	1100mA (0.5C)	Ambient temperature of 20±5°C, Relative Humidity: 65±20%
Rapid Discharge	1100mA (0.5C)	Standard charge, the final voltage is 1.0V
High rate discharge	22 A (10C)	Rapid discharge, the final voltage is 0.8V
Trickle Charge	44 ~ 110 mA (0.02C ~ 0.05C)	Ta = -10~45 °C
Nominal Voltage	1.2 V	
Open Circuit Voltage	≥ 1.25V	Within 1 hr after standard charge
Nominal Capacity	2200 mAh	
Minimum Capacity	≥ 2200 mAh(0.2C)	Standard charge and Standard discharge
	≥ 1980 mAh(0.5C)	Standard charge and Rapid discharge
Internal Impedance	≤ 15mΩ	Within 1 hr after standard charge
Charge-retention Rate	Charge retention rate ≥ Nominal capacity 60%(1320mAh)	Storage a period of 28 days after standard charge, then Standard discharge (0.2C) to 1.0V
Cycles Test	≥ 500 Cycles	IEC61951-2:2003

Storage Temperature

Within 1 Year -20~25°C
 Within 6 Months -20~35°C
 Within 1 Month -20~45°C
 Within 1 Week -20~55°C

Operation Temperature

Standard charge 15°~25°C
 Fast Charge..... 0°~25°C
 Discharge..... 0°~25°C

Operation Temperature

No Damage---- Full charge the battery at current 0.1C, 33±3°C
 80±5%R.H., storage 14 days.

