

SPECIFICATIONS OF SINGLE CELL

Type	Nickel-Metal Hydride Battery
Model	Power-Xtra IXNN4002A Motorola T5

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
	Nominal Voltage (V)	4.8V
	Nominal capacity (mAh)	800 mAh
	Recommended Trickle Charge Current	16~40mA
	Nominal Charge Current	160 mA
	Nominal Charging Time	14~16h
	Nominal Discharge Current	400 mA
Standard Charge	0°C to 45°C	0°C to 45°C
Standard DisCharge	Charge at 0.2C to 3V	-10°C to 45°C
Fast Charge	50mA×6hours	10°C to 45°C
Discharge Cut-off Voltage	4.0V	-10°C to 45°C
Self-Discharge	The charged battery is stored for 28 days at 20°C ±5 °C . And the discharge time is measured at standard discharge	-
Hight Rate Discharge	Standard charge 1hour rest Before Discharge by 0.5C to 3.0V	≥58minutes
Charge Retention	Standard charge storage:12moths	Standard charge; Storage: 28 days; Standard discharge
Leakage Test	Fully charge at 30mA, Stand 14 days	No leakage
High temperature test	The battery shall not leak during the 14 days which it is submitted to the condition of a temperature of 33±3°C and a relative humidity of 80±5%	
Short circuit test	Short circuit after fully charge	
Drop test	Free fall on the concrete from 1 meters after fully charged	
Weight	55 gr / Approximately	
Cycles Test	50 cycles of test as in the following table condition is repeated, The discharge time of the 100th,200th,400th,500th is more than 5 hours. (Ambient temperature is 20±5°C) - 500 Times	IEC285(1993)4.4.1 IEC61951-2:2003

Images

