POWER-XTRA

Ni-Mh

3S1P - 3.6V 80 Mah Ni-Mh Button Battery - 2 pins

Stock Code
900.600.503.120

SPECIFICATIONS OF SINGLE CELL

Type Nickel-Metal Hydride Battery

Model Power-Xtra 3S1P - 3.6V 80 Mah Ni-Mh Button Battery - 2 pins

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Nominal Voltage (V)		3.6V
Nominal capacity (mAh)		80 mAh
Recommended Trickle Charge Current		4.5~7.5mA
Nominal Charge Current		18 mA
Nominal Charging Time		14~16h
Nominal Discharge Current		36 mA
Standard Charge	Charge at 0.1C for 18 hours / 18mA×14hours	0℃ to 45℃
Standard DisCharge	Charge at 0.2C to 3V	-10℃ to 45℃
Fast Charge	Charge at 0.2C for 6 hours / 36mA×6hours	10℃ to 45℃
Discharge	Trickle current : 4.5mA	0℃ to 45℃
Discharge Cut-off Voltage	3.0V	-10℃ to 45℃
Self-Discharge	The charged battery is stored for 28 days at 20℃ ±5 ℃ . 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	Capacity retention ≥60% after 500cycle
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℃ 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	17gr / 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℃) - **500 Times**	IEC285(1993)4.4.1 IEC61951-2:2003

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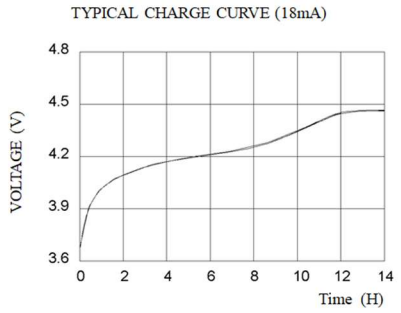
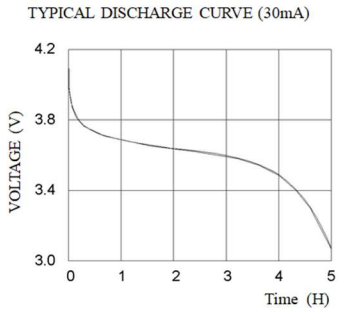
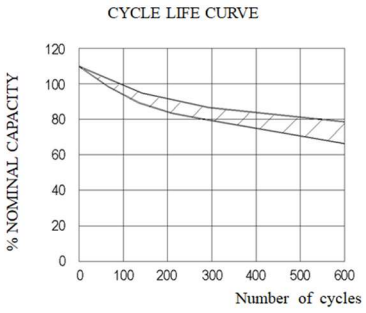
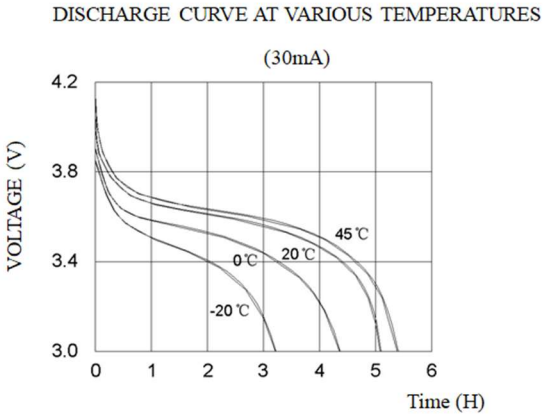
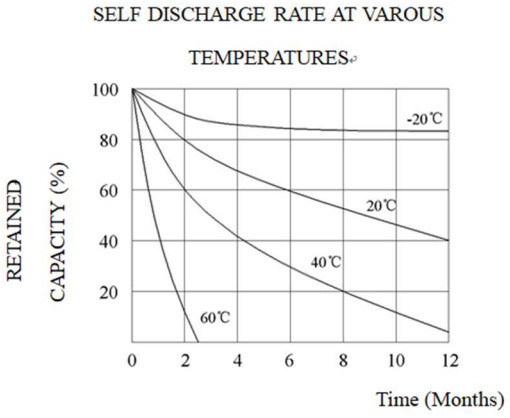
Technical Graphics











Technical Drawing