



ARH9006

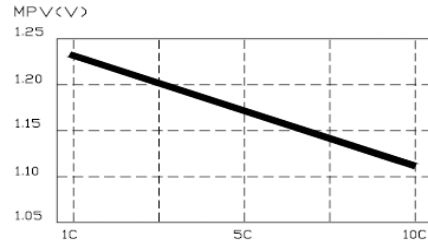
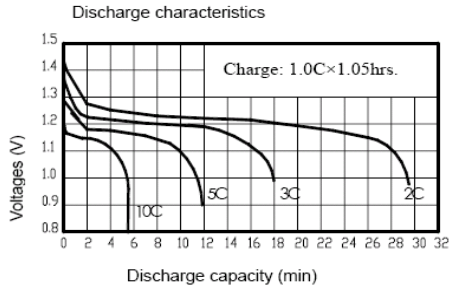
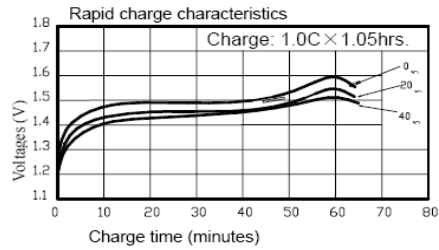
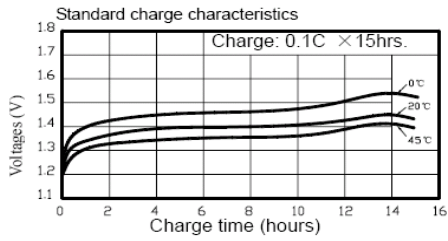
**Batterie Modelisme 2400mAh
RC battery pack 2400mAh**



Characteristics

Description	Unit	Specification	Conditions
Nominal Voltage	V	7.2	Unit cell or stack-up batteries
Nominal Capacity	mAh	2400	Standard Charge/Discharge
Standard Charge	mA	240(0.1C)	Ta=0~40°C(see note 1)
	Hour	15	
Fast Charge	mA	480(0.2C)~2400 (1.0C)	-ΔV=5mV/ cell Timer cutoff=105%input capacity
	hour	6.0 approx(0.2C)	Temp. cutoff=55~60°C dT/dt=0.8°C/min(0.5 to 1.0C);0.8~1°C/min(1C)
		1.05 approx(1.0C)	
Trickle Charge	mA	120(0.05C)~240(0.1C)	Ta=0~40°C(see note 1)
Maximum discharge Current	A	24(Continuous)	Ta =0~60°C 0.9V cut off
		36(Momentary)	
Storage Temperature	°C	-20~+25(within 1 year) -20~+30(within 3 month) -20~+40(within 1 month) -20~+50(within 1 week)	
Typical Weight	Gram	298approx	

Data sheet



Charge retention curves of Ni-MH cylindrical cell At various storage temperature

Performance

Test	Unit	Specification	Condition	Remarks
Capacity	min	≥5.0	Discharge at 10C to 5.4V	Up to 3 cycles are allowed
MPV	V	≥6.48	Discharge at 10C to 5.4V	Up to 3 cycles are allowed
Open circuit Voltage (OCV)	V	≥7.68	Within 1 hr after standard charge	Unit cell
Internal Impedance (Ri)	mΩ	≤50	Upon fully charge at 1kHz	
Low Temperature Discharge	min	≥180	Standard Charge, Storage:24hrs at 0±2°C 0.2C discharge at 0±2°C	1.0V/cell Cut-off
Overcharge	N/A	No conspicuous deformation and/or leakage	0.1C charge for 48hrs	
Charge reserve	min	≥180	Standard charge Storage: 28 days Standard discharge (0.2C)	1.0V/cell Cut-off
IEC Cycle Life Test	Cycle	≥500	IEC61951-2(2003)7.4.1.1	
Humidity	N/A	No leakage	Standard charged, stand for 14 days at 33±3°C and 80±5% of relative humidity	
External Short Circuit	N/A	No fire and no explosion	After standard charge, short-circuit the cell at 20°C±5°C until the cell temperature returns to ambient temperature.(cross section of the wire or connector should be more than 0.75mm ²)	
Safety Device Operation	N/A	No explosion	Forced discharge at 0.2C to a final voltage of 0V,then the current be increased to 1C and forced discharge continue for 60 min	Leakage of electrolyte and Deformation are acceptable
Free falling(drop)	N/A	ΔV<0.02V/cell ΔRi<5%/cell	Charge at 0.1C for 16hrs,and then leave for 24hrs,check battery before / after drop Height: 50 cm Thickness of wooden board: 30mm Direction is not specified Test for 3 times	

Drawing

