

Product Specification

for Ni-MH Battery

Model Number: Ni-MH AAA 6V 900mAh

Prepared By	Verified By	Approved By

Amendment Records

Revision	Description	Issued Date	Approved By
A0	New release	2011-08-04	

Contents

1. SCOPE

This specification governs the performance of the following Everwin Tech Co., Limited Nickel- Hydride cylindrical Cell and its stack-up batteries.

Model: Ni-MH AAA 6V 900mAh

The data involving nominal voltage and the approximate weight of stake-up batteries shall be equal to the value of the unit cell multiplied by the number of unit cells in the battery.

Nominal voltage of unit cell = 1.2V

2 .RATINGS

Description	Unit	Specification	Conditions
Nominal Voltag	V	6V	
Nominal Capacity	mAh	900	Standard Charge/discharge
Minimum Capacity	mAh	850	Standard Charge/discharge
Standard Charge	mA	90(0.1C)	Ta=0~45℃
	hour	14-16	
Fast Charge	mA	0.3C	'- Δ V=0~5mV/cell , Timer Cutoff=120%nominal capacity , Temp.Cutoff=55℃, dT/dt=0.8 ℃/min, T1=20±5℃
	hour	4 approx	
Trickle Charge	mA	0.03C ~ 0.05C	Ta=0~70 ℃
Standard discharge	mA	180(0.2C)	T1= 20±5℃ Humidity: Max85%
Discharge Cut-off Voltage	V	5.0V	
Storage Temperature	℃	-20~30(Within 1 year	Discharged state Humidity: Max85%
		-20~40(Within 6 months)	
		-20~50(Within 1 month)	
		-20~60(Within 1 week)	
Typical Weight	g	70	About

3. PERFORMANCE

Unless otherwise stated, tests should be done within one month of delivery under the following conditions:

Ambient Temperature: Ta=20±5℃

Relative Humidity: 65±20%

Standard Charge/ Discharge Condition:

Charge: 90mA(0.1C)×16hrs

Discharge: 180mA(0.2C)to 5.0V/ pack

Test	Unit	Specification	Conditions	Remarks
Capacity	mAh	≥850	Standard Charge/Discharge	Up to 3 cycles are allowed
Open Circuit Voltage (OCV)	V	≥6	Within 1hr after standard charge	
Internal Impedance (Ri)	mΩ	≤230	Upon fully charge(1kHz) (1kHz)	
High Rate Discharge (1C)	min	≥51	Standard Charge,1hr rest before discharge	
Charge Retention	mAh	≥540 (60%)	Standard Charge,Storage: 1months,Standard Discharge	

4. CONFIGURATION, DIMENSIONS AND MARKINGS

Please refer to the attached drawing.

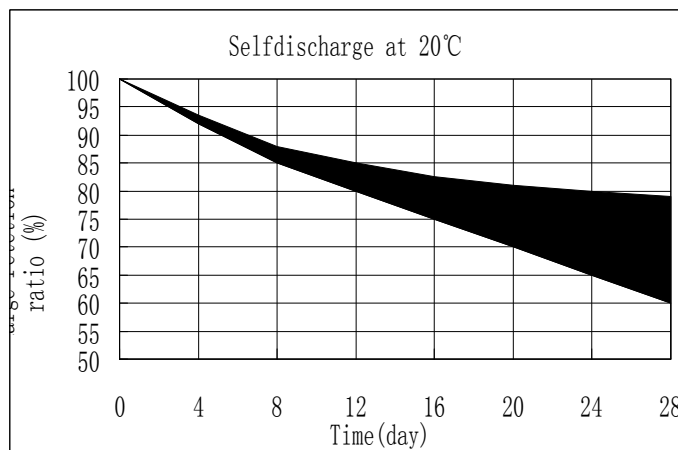
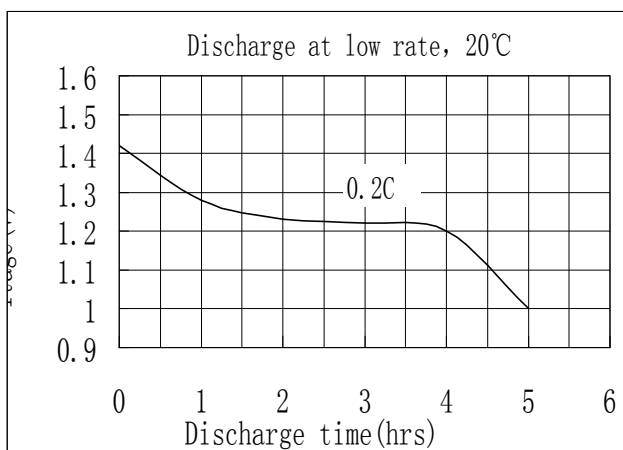
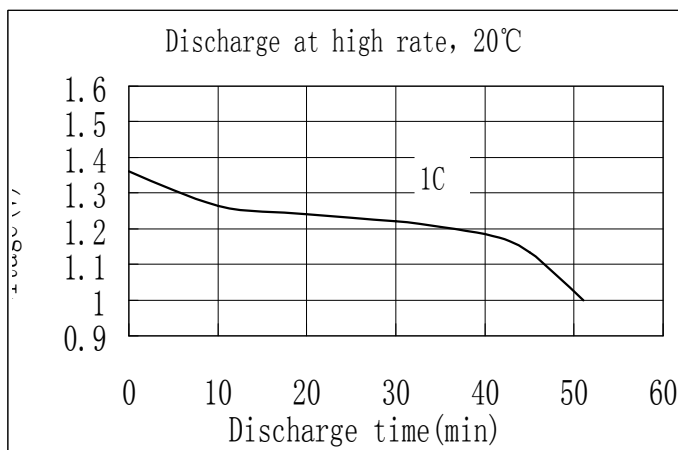
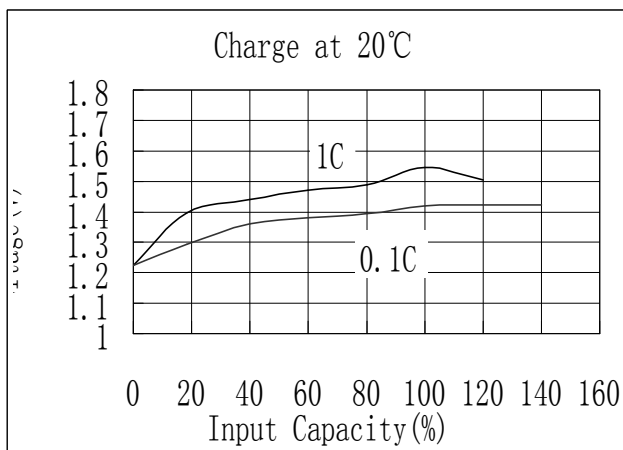
5. EXTERNAL APPEARANCE

The cell/ battery shall be free from cracks, scars, breakage, rust, Discoloration, leakage nor deformation.

6. CAUTION

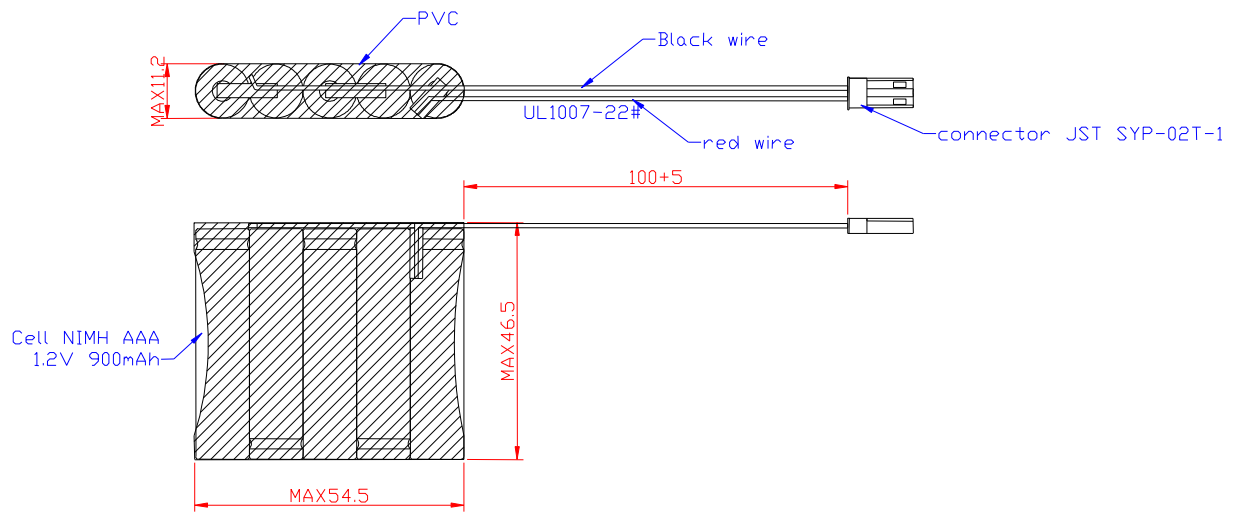
- [1] Reverse charging is not acceptable.
- [2] Charge before use. The cells/batteries are delivered in an uncharged state
- [3] Do not charge/discharge with more than our specified current.
- [4] Do not short circuit the cell/battery Permanent damage to the cells/batteries may result.
- [5] Do not incinerate or mutilate the cells/batteries.
- [6] Do not solder directly to the cells/batteries.
- [7] The expected life may be reduced if the cells/batteries are subjected to adverse conditions as: extreme temperature, deep cycling, excessive overcharge/over-discharge.
- [8] Store the cells/batteries in a cool dry place. Always discharge batteries before packing.

7. Specification



8.Draw

Unit:mm



NOTICE: Any question you must apprise us in a week, or the standards will be accepted.