



## Product Specification

### Product Specification Acknowledgment

Customer Code : \_\_\_\_\_  
Customer Product Model: \_\_\_\_\_  
Coincell Battery cell Model .: **SR1121H**  
Coincell Battery Product Model. : \_\_\_\_\_  
Battery Capacity : **1.55V 45mAh**  
Document Number : \_\_\_\_\_

Prepared by Producer	Checked by reviewer	Approved by approver
Kelly Shu	<b>Mr Andy Hui</b>	

Customer Approval	Customer Signature / Date	Customer Company Stamp

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Shenzhen City, Guangdong Province, China



**1. Cross Reference :**

IEC	JAPAN	Ray-O-Vac	U.S.A SWITZERLAND	GERMANY	H.K PRODUCTS
SR55	SR1120W	RW40	391	V391	SG8

**2. Chemical System:**

Zinc-Silver Oxide .Manganese Dioxide (Potassium Hydroxide Electrolyte)  
" The Mercury test result<5ppm(0.0005%)"  
"The Cadmium test result<5ppm(0.0005%)"  
"The Lead test result<1000ppm(0.1%)"

**3. Nominal Voltage :**

1.55V

**4. Standard Capacity :**

45mAh(continuously discharge at 20+2°C under 22k $\Omega$  load to 0.9Vend-point voltage )

**5. Approximate Weight :**

0.72g

**6. Dimensions & Structure :**

Dimensions & structure of the cell are shown in the attached Fig. 1.

**7. Terminal Materials :**

Negative :Ni/ST/Cu clad 、 Ni plated/Fe/Cu plated or gold plated steel  
Positive : Ni plated steel



## 8. Characteristics :

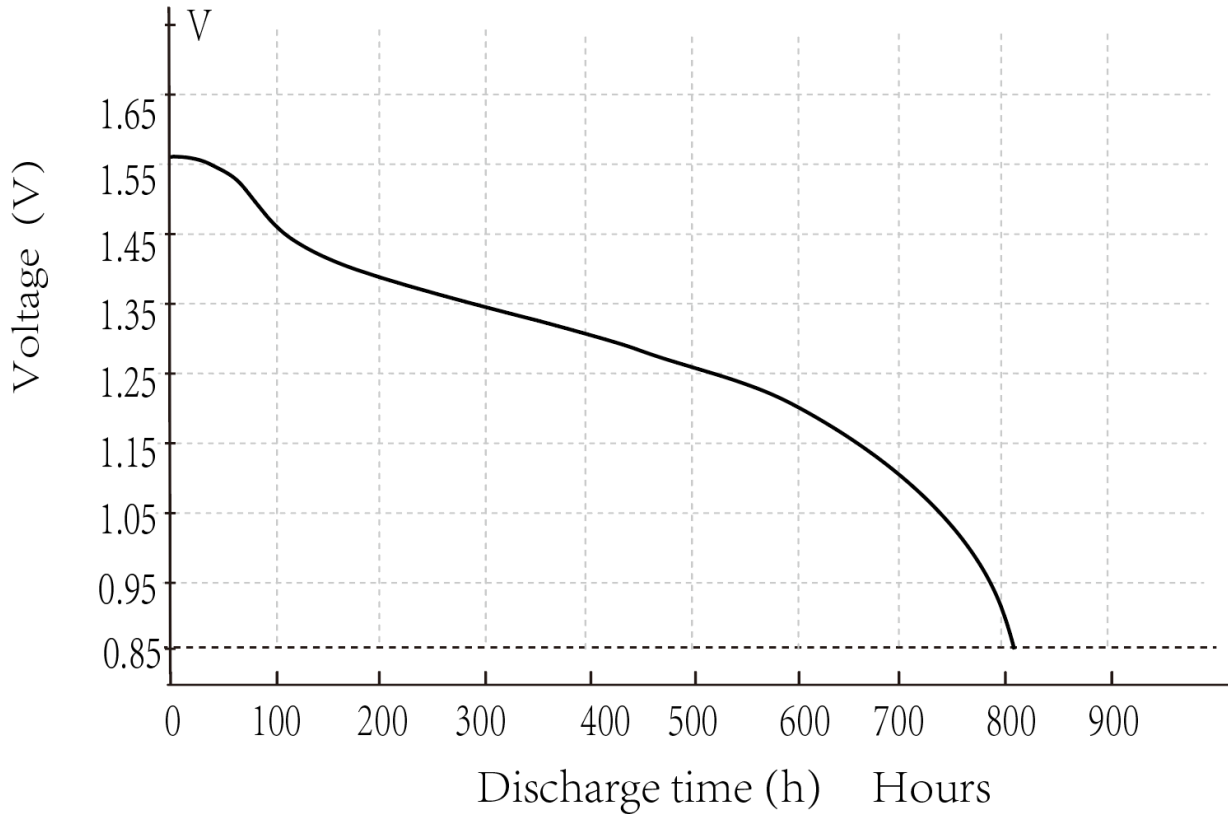
Characteristics of the cell are shown in the following table

Items	Storage	Characteristics	Conditions
<b>8.1 Electric Characteristics</b>			
Open-Circuit Voltage	Initial	$\geq 1.550V$	DC Voltmeter : The tolerance is $\pm 0.005V$ and the input resistance is $1M\Omega$ or more.
	After 12 months	$\geq 1.540V$	
Closed-Circuit Voltage	Initial	$\geq 1.540V$	DC Voltmeter : Same as above. Load Resistance: $22k\Omega$ , 0.8Sec.
	After 12 months	$\geq 1.530V$	
<b>8.2 Service Output</b>			
Service Life $22K\Omega$	Initial	810hrs or longer	Discharge Resistance : $22k\Omega$ End-Point Voltage : 0.9V
	After 12 months	729hrs or longer	
Continuous Discharge			
<b>8.3 Observation after discharged to End-Point Voltage</b>			
Observation after discharged to End-Point Voltage: 0.9V	There are no bulging or deformation of cells in excess of maximum dimensions shown in attached Fig. 1 by 0.2mm or more. There are no visible electrolyte leakage.		Temperature : $20 \pm 2^{\circ}C$ Humidity : $(65 \pm 20)\%RH$ Observation Time : 48hrs (Observe after having reached specified end-point voltage)

**9. Discharge Curve :**

Load : 22K  $\Omega$

End voltage: 0.9V



**10. Markings on Product:**

Battery Type: SR1121H  
Polarity : "+" at the bottom ("-" not indicated)  
Other specified markings

**11. Caution for Use**

- 1) Since the button cell is not manufactured for recharging, there are risks of electrolyte leakage or causing damage to the device if the cell is charged.
- 2) The button cell shall be installed with its "+" and "-" sign according to the instruction shown on the applied device.
- 3) Short-circuiting, heating, disposing of in fire, or disassembling the button cell shall be prohibited.

**12. Warranty:**

12 months shelf life after delivery.

- 1) Storage Conditions: Temperature  $20 \pm 2^\circ \text{C}$ , Relative humidity:  $65 \pm 20\% \text{RH}$ .
- 2) 90% of the capacity will be maintained after 1 year storage.

SR1121H DIMENSIONS & STRUCTURE

