



Product Specification

Product Specification Acknowledgment

Customer Code : _____
Customer Product Model: _____
Coincell Battery cell Model .: **SR1142H**
Coincell Battery Product Model. : _____
Battery Capacity : **1.55V 110mAh**
Document Number : _____

Prepared by Producer	Checked by reviewer	Approved by approver
Kelly Shu	Mr Andy Hui	

Customer Approval	Customer Signature / Date	Customer Company Stamp

深圳市科恩瑟尔电池有限公司

地址：中国广东省深圳市龙华区
大浪街道华荣路龙兴商业大厦5008

Shenzhen Coincell Battery Co., Ltd.

Address: 5008 Longxing commercial building, Huarong Road, Dalang Street Longhua District,
Shenzhen City, Guangdong Province, China



1. Cross Reference :

IEC	JAPAN	Ray-O-Vac	U.S.A SWITZERLAND	GERMANY	H.K PRODUCTS
SR43	SR43W	RW44	386	V386	SG12

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 :

110mAh(continuously discharge at 20+2°C under 6.8k Ω load to 0.9Vend-point voltage)

5. Approximate Weight :

1.57g

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 :

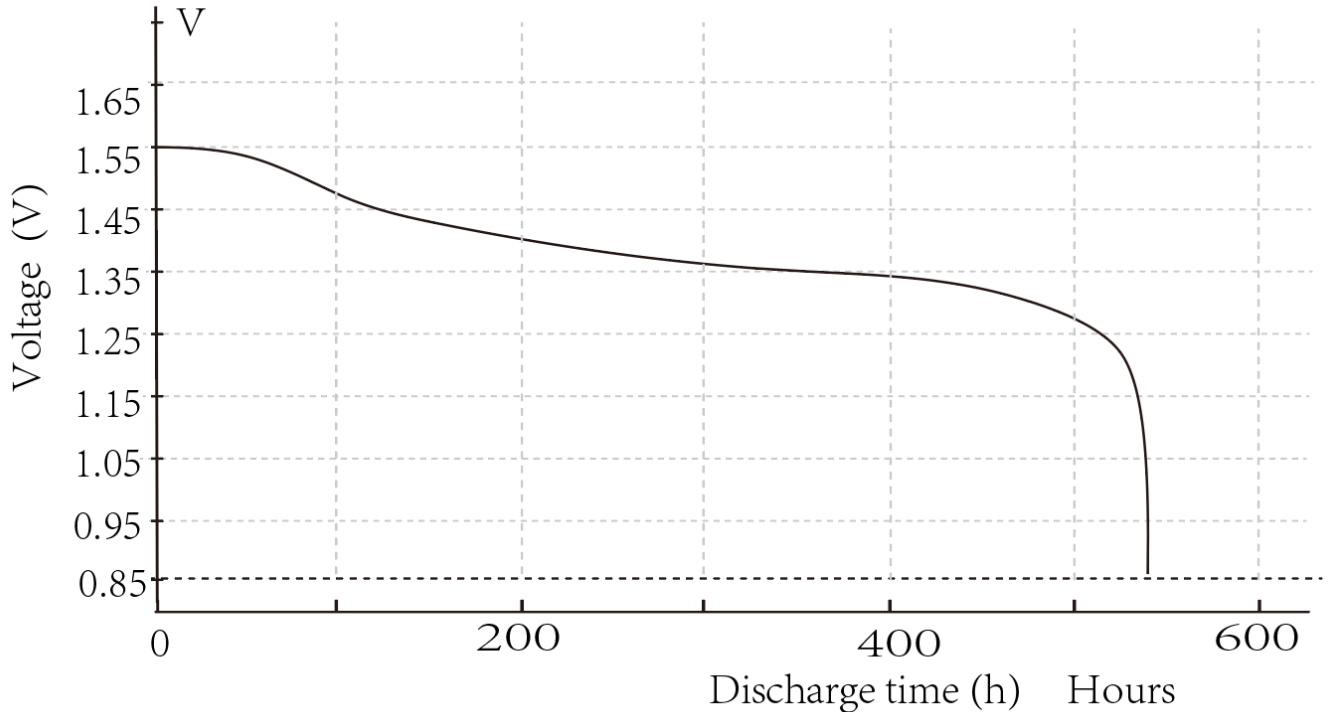
Characteristics of the cell are shown in the following table

Items	Storage	Characteristics	Conditions
8.1 Electric Characteristics			
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: $6.8k\Omega$, 0.8Sec.
	After 12 months	$\geq 1.530V$	
8.2 Service Output			
Service Life $6.8K\Omega$ Continuous Discharge	Initial	530hrs or longer	Discharge Resistance : $6.8k\Omega$ End-Point Voltage : 0.9V
	After 12 months	477hrs or longer	
8.3 Observation after discharged to End-Point Voltage			
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 : 6.8K Ω

End voltage: 0.9V



10. Markings on Product:

Battery Type: SR1142H

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.

SR1142H DIMENSIONS & STRUCTURE

