



Product Specification

Product Specification Acknowledgment

Customer Code : _____
Customer Product Model: _____
Coincell Battery cell Model .: **SR1154H**
Coincell Battery Product Model. : _____
Battery Capacity : **1.55V 160mAh**
Document Number : _____

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

| Customer Approval | Customer Signature / Date | Customer Company Stamp |
|-------------------|---------------------------|------------------------|
| | | |

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1. Cross Reference :

| IEC | JAPAN | Ray-O-Vac | U.S.A SWITZERLAND | GERMANY | H.K PRODUCTS |
|------|-------|-----------|----------------------|---------|-----------------|
| SR44 | SR44W | RW42 | 357 | V357 | SG13 |

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 :

160mAh(continuously discharge at 20+2°C under 6.8k Ω load to 0.9Vend-point voltage)

5. Approximate Weight :

1.95g

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 :

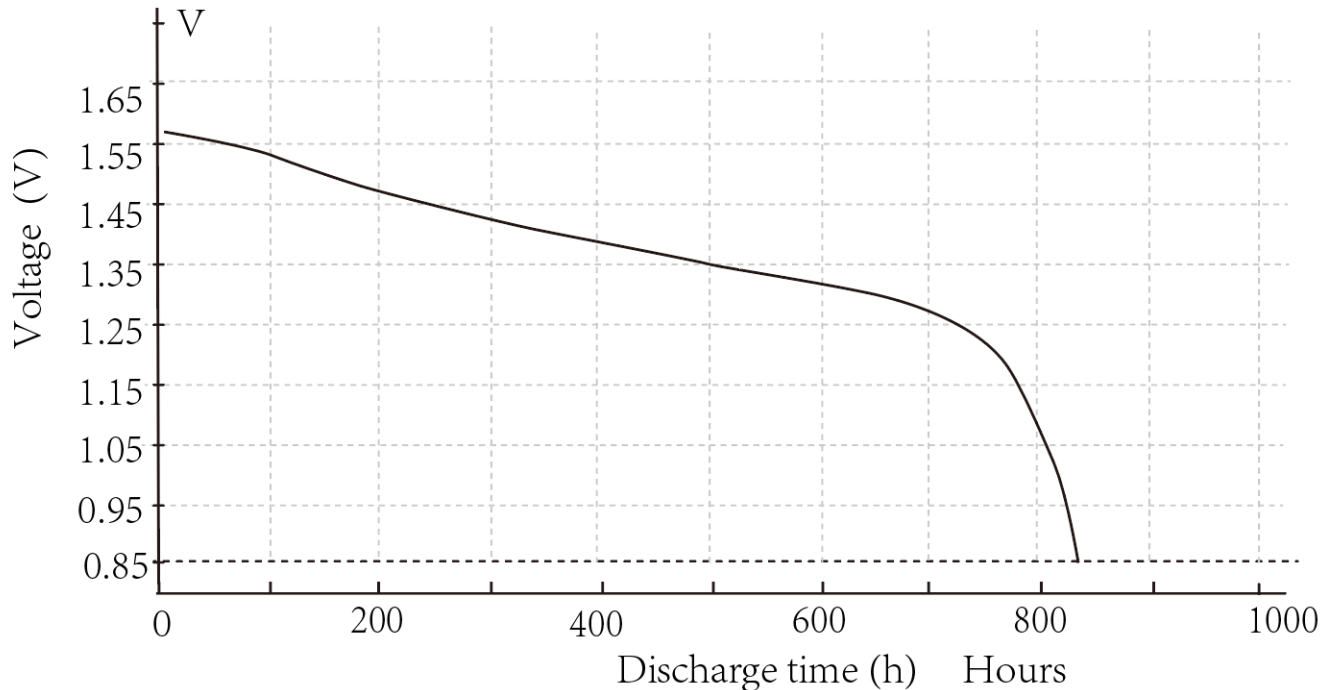
Characteristics of the cell are shown in the following table

| 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 | 820hrs or longer | Discharge Resistance : $6.8k\Omega$ End-Point Voltage : 0.9V |
| | After 12 months | 720hrs 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: SR1154H

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.

SR1154H DIMENSIONS & STRUCTURE

