



### Zinc Chloride Dry Battery SUM1/GP

#### 1. Scope

This specification is applicable to the “VINNIC” brand Zinc Chloride Mercury Free Dry batteries supplied by CHUNG PAK BATTERY WORKS, LTD.

#### 2. Technical Specification

2.1 Name (Designation) : SUM1/GP (EXTRA HEAVY DUTY)

(IEC Designation) : R20P

2.2 Dimensions:

Diameter : 34.2mm

Height : 61.5mm

2.3 Weight (approx) : 99.5g

2.4 Nominal voltage : 1.5V

2.5 Typical capacity : 6500mAh at 3.9Ω 1hrs/day (E.V.0.9V)

2.6 Typical duration : 1280min at 3.9Ω 1hrs/day (E.V.0.9V)

55 hrs at 10Ω 4hrs/day (E.V.0.9V)

2.7 Retention : 90% after 12 months storage(20°C)

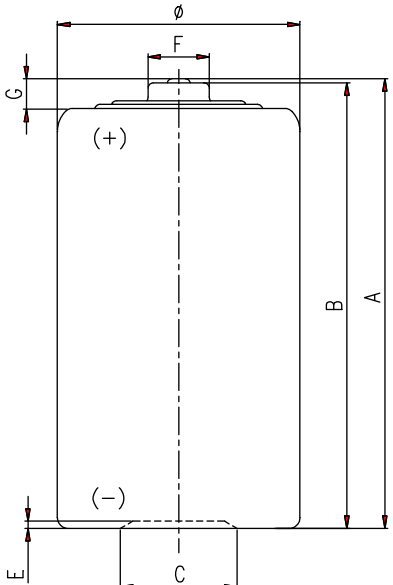
85% after 24 months storage(20°C)

70% after 36 months storage(20°C)

2.8 Outside shape dimensions and terminals:

Dimensions of Zinc Chloride Dry Battery		R20
Unit:mm		
	Max	Min
A	61.5	59.5
B		59.5
C		16.0
E	1.0	
F	9.5	
G		1.5
Ø	34.2	32.2



Remarks

A: Overall height of battery

B: Height between contact terminals without pip

C: Outer diameter of negative terminal Contact area

E: Depression of negative terminal from outer casing

F: Diameter of positive terminal within The specified projection height

G: Height of projected area of positive terminal, exclusive part

Ø: Diameter of battery