



1. Battery Type and Rations:

NOVA R14P NV-UM2EM SIZE C

2. Chemical System:

MnO₂ (positive)

Zinc shell (negative)

ZnCl₂ (electrolyte)

3. Nominal Voltage: 1.5V

4. Average Weight: 38 ± 2g

5. Mercury content: W(Hg) 1 x 10⁻⁴%

6. Cadmium Free Battery: W(Cd) 1 x 10⁻⁴%

7. Electrical characteristics : (Average of 9 batteries, Test Temp: 20 ± 2)

Item	Off-load Voltage (V)	On-load Voltage (V) 3.9	AQL (%)
Initial	1.650	1.40	0.65
After 12 months at normal temp.	1.53	1.35	1.0

8 . Swrivce out-put: (Average of 9 batteries, Test Temp: 20 ± 2)

Discharge condition	3.9 , 4 min/h, 8h/d	6.8 1h/d	20 4h/d	6.8 1h/d
End point Voltage	0.90V	0.90V	0.90V	0.80V
IEC	300min	9.5h	30h	272min
Initial	305min	9h	30h	275min
After 6 month at normal Temp.				230min



9. Appearance

ITEM	AQL (%)
1) Serious corrosion on metal parts	1.0
2) Damaged or seriously discolored	1.0
3) Adhering foreign matter	2.5
4) Display (Torn or damaged packs, defective or incorrect printing, dirty packs)	4.0
5) Inner cartons and outer (transport) containers (Illegible label or print, damaged corners, poorly sealed)	4.0

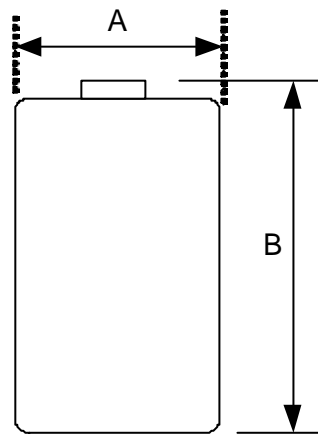
10. Dimension

10.1 Assurance

AQL = 0.65%

A : $\bar{O}26.2 +0 / -1.30$

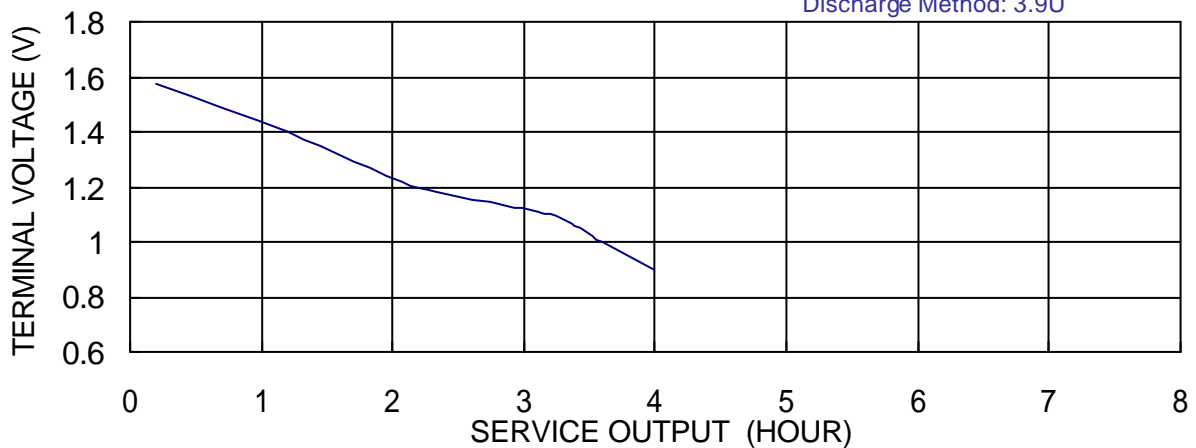
B : $50.0 +0 / -1.40$



NV-UM2EM DISCHARGE CURVE

Discharge Curves (20 ± 2)

Discharge Method: 3.9Û





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TECHNICAL SPECIFICATION

DRY BATTERY

MODEL: NV-UM2EM

SUPER HEAVY DUTY

[MERCURY FREE]

Date FEB. 01, 2006

Sign GLOSO CO., LTD