

TRUFORCE AAABTF AAA ALKALINE BATTERY



Type Designation: ANSI-24A , IEC-LR03
Chemical System: (-) Zn | KOH-H₂O | MnO₂ (+)
 Mercury, cadmium & lead are not added in the battery.
Nominal Voltage: 1.5V
Weight: Approximate 11.2g
Nominal Capacity: Approximate 1240mAh (20±2°C, 75Ω-4h/d, e.v.=0.9V)
Jacket: Foil Label
Dimension (mm):

| / | MAX | | MIN | |
|---|------|-------|------|-------|
| | mm | in | mm | in |
| Φ | 10.4 | 0.409 | 10.1 | 0.398 |
| A | 44.4 | 1.750 | 43.9 | 1.728 |
| C | / | / | 6.0 | 0.236 |
| F | 3.6 | 0.142 | / | / |
| G | / | / | 1.0 | 0.039 |

Notes:

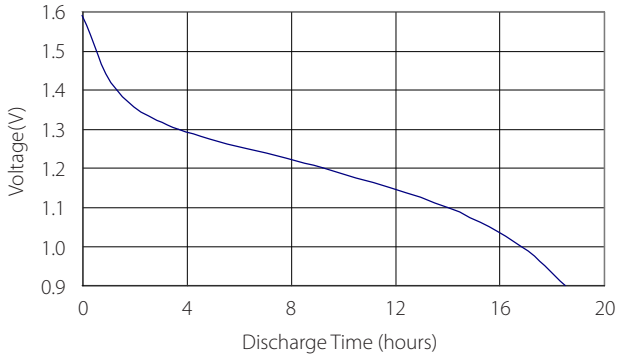
- Store in cool, dry place before use
- It is recommended that the storage temperature be lower than 30°C (86°F)
- Do not keep batteries at relative humidity of 65% or above for long time
- Up to 10 year shelf life from date of manufacture (under proper storage cond.)

Electrical Characteristics:

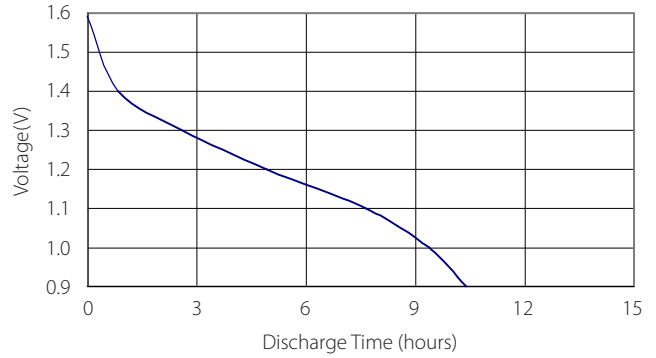
Unless otherwise stated, all measurements are to be performed at a Standard Environment of 20±2°C (64.4-71.6°F), 60±15%R.H.

| Discharge Condition | | | IEC60086-2: 2011 Standard | Discharge Time | | | |
|---------------------|--|-------------|---------------------------------|----------------|--------|------------------------|--------|
| Load | Test Mode | End Voltage | | Initial | | After 1 year at 20±2°C | |
| | | | | MAD | Normal | MAD | Normal |
| 75Ω | 4h/d | 0.9V | 44h | 72h | 74h | 69.5h | 72h |
| 5.1Ω | 4m/h, 8h/d | 0.9V | 130m | 230m | 245m | 215h | 230m |
| 100mA | 1h/d | 0.9V | 7h | 9.5h | 10.1h | 8.8h | 9.3h |
| 600mA | 10s/m, 1h/d | 0.9V | 170p | 330p | 360p | 290p | 320p |
| 24Ω | 15s/m-8h/d | 1.0V | 14.5h | 19h | 20.5h | 18.3h | 19.7h |
| 5.1Ω | 1h/d | 0.8V | 2h | 3.7m | 4h | 3.4h | 3.7h |
| 20Ω reference | 24h/d | 0.9V | / | 17.5h | 18h | 16.5h | 17h |
| Remarks | • MAD - Minimum Average Discharge m-minute h-hour d-day p-pulses • Actual performance for each lot may be slightly different from normal performance. | | | | | | |

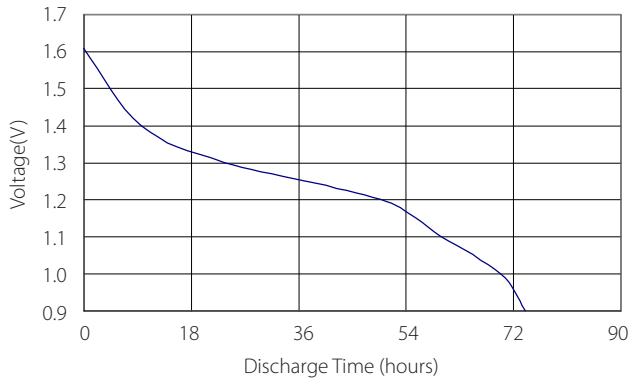
20Ω Continuous Discharge Curve



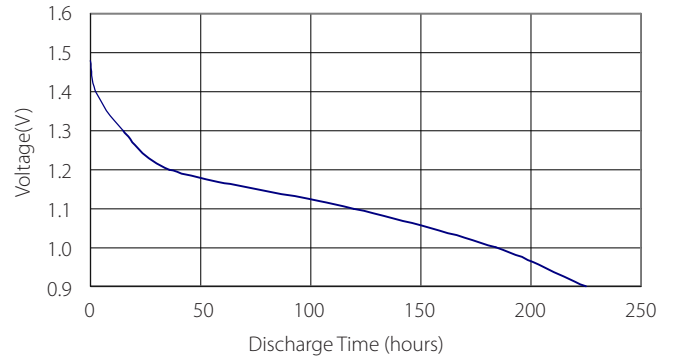
100mA 1h/d Discharge Curve



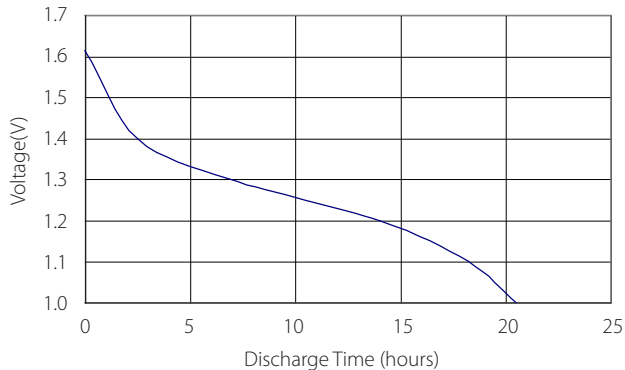
75Ω 4h/d Discharge Curve



5.1Ω 4m/h-8h/d Discharge Curve



24Ω 15s/m-8h/d Discharge Curve



600mA 10s/m, 1h/d Discharge Curve

