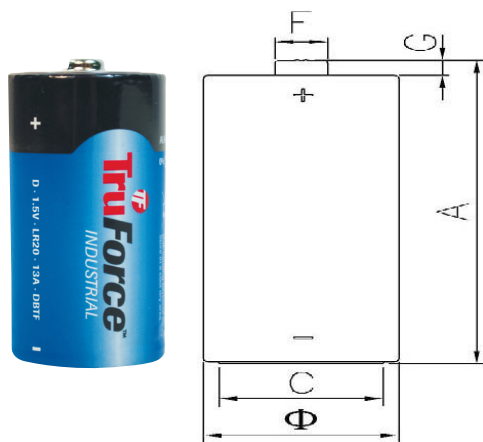


TRUFORCE DBTF D ALKALINE BATTERY



Type Designation:	ANSI-13A , IEC-LR20
Chemical System:	(-) Zn KOH-H ₂ O MnO ₂ (+) Mercury, cadmium & lead are not added in the battery.
Nominal Voltage:	1.5V
Weight:	Approximate 142g
Nominal Capacity:	Approximate 15500mAh (20±2°C, 10Ω-4h/d, e.v.=0.9V)
Jacket:	Foil Label
Dimension (mm):	

/	MAX		MIN	
	mm	in	mm	in
Φ	33.5	1.319	32.8	1.291
A	61.4	2.417	60.0	2.362
C	/	/	25.0	0.984
F	9.0	0.354	/	/
G	/	/	2.0	0.079

Notes:

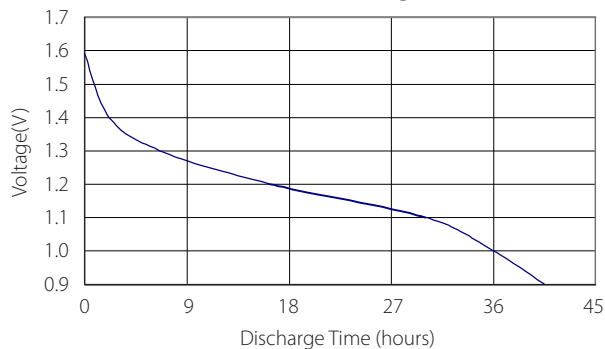
- Store in cool, dry place before use
- It is recommended that the storage temperature be lower than 30°C (86°F)
- Do not keep batteries at relative humidity of 65% or above for long time
- Up to 10 year shelf life from date of manufacture (under proper storage cond.)

Electrical Characteristics:

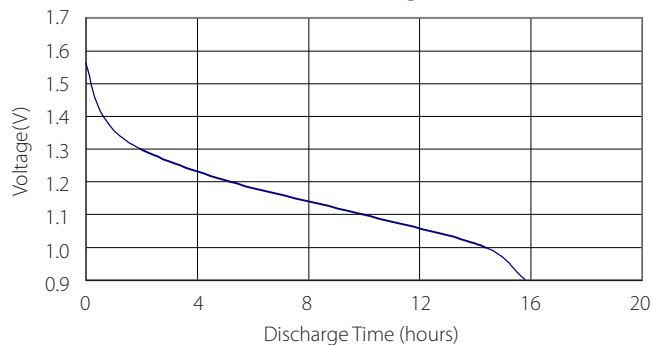
Unless otherwise stated, all measurements are to be performed at a Standard Environment of 20±2°C (64.4-71.6°F), 60±15%R.H.

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
10Ω	4h/d	0.9V	85h	120h	126h	115h	121h
2.2Ω	1h/d	0.8V	16m	23.5m	25h	22.5h	23.9m
600mA	2h/d	0.9V	11h	14.8h	15.5h	13.8h	14.4h
1.5Ω	4m/15m-8h/d	0.9V	520m	830m	880m	780m	825m
3.9Ω reference	24h/d	0.9V	/	38h	40h	36h	38h
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.						

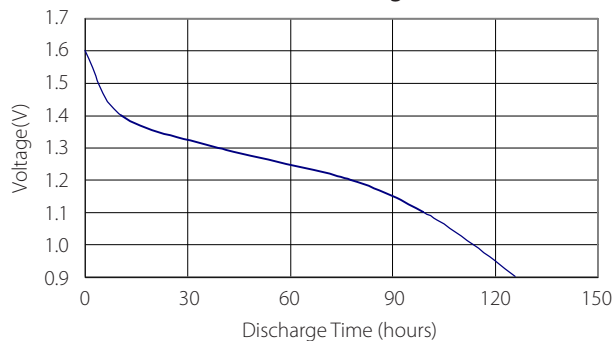
3.9Ω 24h/d Discharge Curve



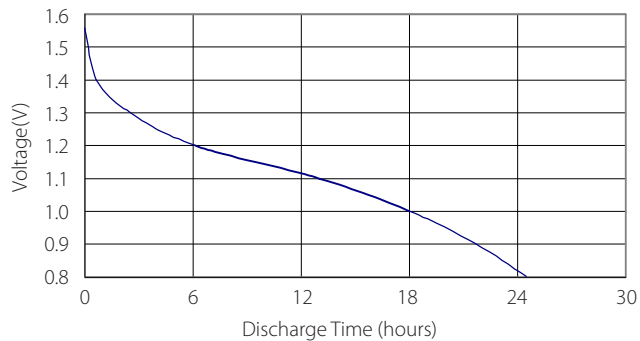
600mA 2h/d Discharge Curve



10Ω 4h/d Discharge Curve



2.2Ω 1h/d Discharge Curve



1.5Ω 4m/15m-8h/d Discharge Curve

