

# ENERGIZER L91-FR6

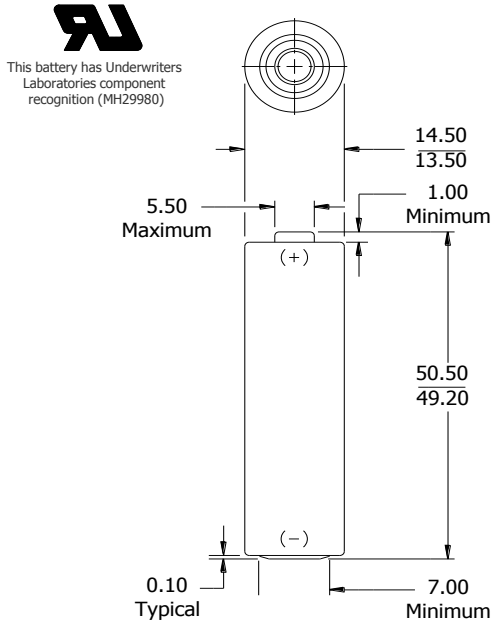


## Specifications

**AA**

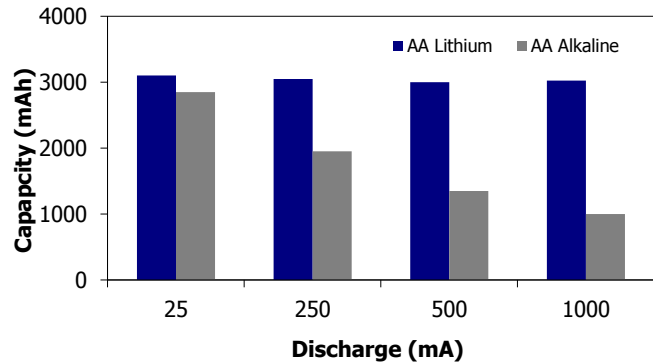
<b>Classification:</b>	"Cylindrical Lithium"
<b>Chemical System:</b>	Lithium/Iron Disulfide (Li/FeS <sub>2</sub> )
<b>Designation:</b>	ANSI 15-LF, IEC-FR6
<b>Nominal Voltage:</b>	1.5 Volts
<b>Storage Temp:</b>	-40°C to 60°C (-40°F to 140°F)
<b>Operating Temp:</b>	-40°C to 60°C (-40°F to 140°F)
<b>Typical Weight:</b>	14.5 grams (0.5 oz.)
<b>Typical Volume:</b>	8.0 cubic centimeters (0.5 cubic inch)
<b>Max Discharge:</b>	3.0 Amps Continuous
(single battery only)	5.0 Amps Pulse (2 sec on / 8 sec off)
<b>Max Rev Current:</b>	2 uA
<b>Typical Li Content:</b>	Less than 1 gram
<b>Typical IR:</b>	90 to 160 milliohms (depending on method)
<b>Shelf Life:</b>	15 years at 21°C

## Industry Standard Dimensions (millimeters)



## Milliamp-Hours Capacity

Constant Current Discharge to 0.9 Volts at 21°C

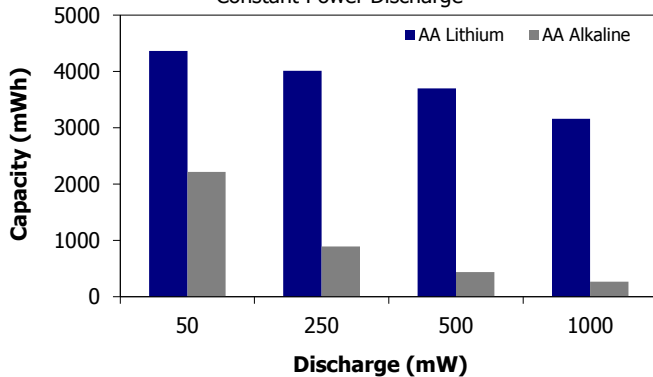


## Milliwatt-Hours Capacity at Cold/Room Temperature

Constant Power Discharge to 1.0 Volts at 0°C and 21°C  
Recommended Lithium Operating/Storage Temperature: -40°C to 60°C

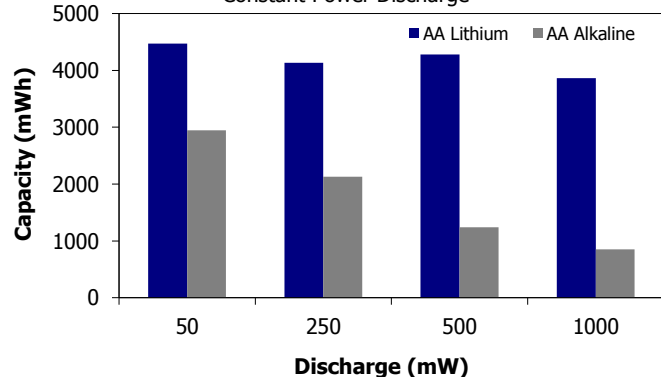
### Cold Temperature (0°C)

Constant Power Discharge



### Room Temperature (21°C)

Constant Power Discharge



### Important Notice

This datasheet contains typical information specific to products manufactured at the time of its publication.  
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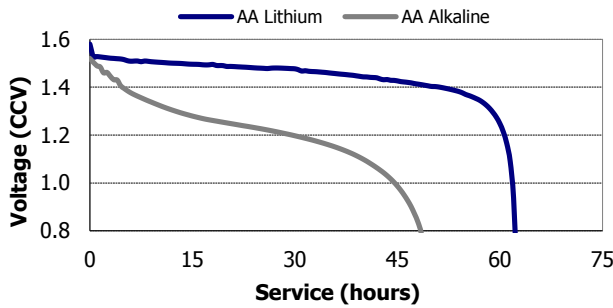
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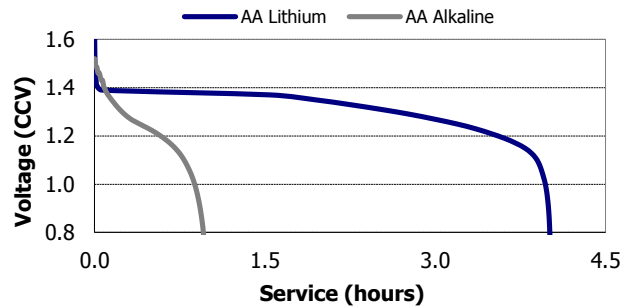
## Typical Discharge Curve Characteristics

Constant Current Discharge at 21°C (low and high drains)

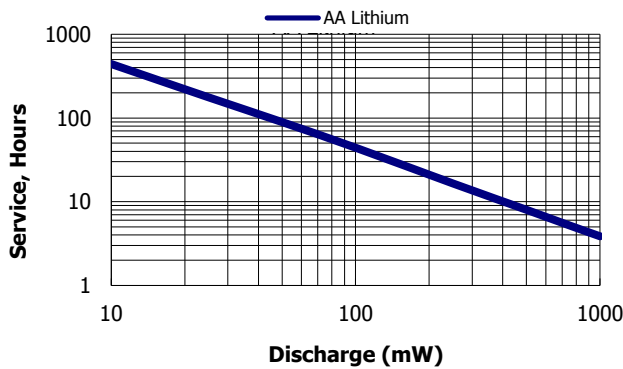
**Low Drain Performance**  
50mA Continuous (21°C)



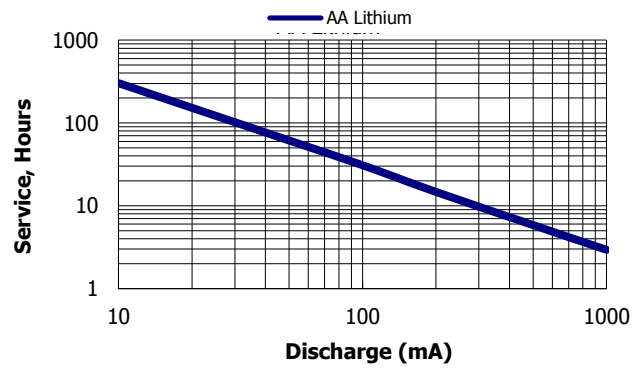
**High Drain Performance**  
1000mA Continuous (21°C)



**Constant Power Performance**  
Typical Characteristics to 1.0 Volts (21°C)

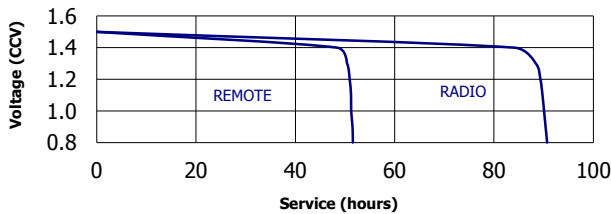


**Constant Current Performance**  
Typical Characteristics to 1.0 Volts (21°C)



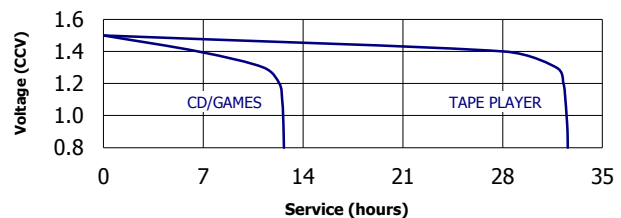
### Application Tests (21°C)

**REMOTE** 24 ohm 15 sec/min 8 hrs/day  
**RADIO** 43 ohm 4 hrs/day



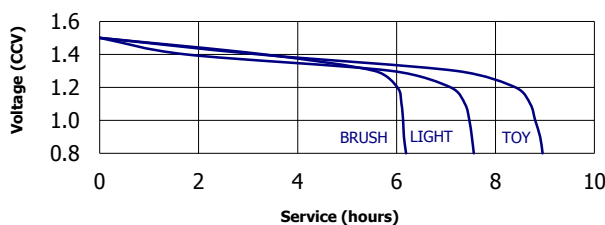
### Application Tests (21°C)

**CD/GAMES** 250 mA 1 hr/day  
**DIGITAL AUDIO** 100 mA 1 hr/day



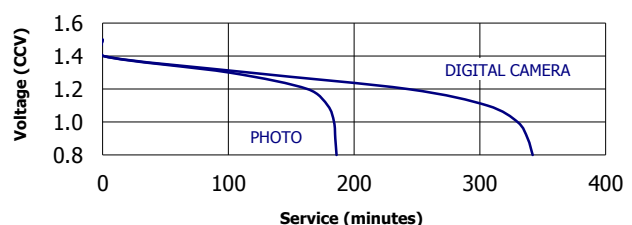
### Application Tests (21°C)

**TOOTHBRUSH** 500 mA 2/13 min 24 hrs/day  
**PORTABLE LIGHTING** 3.3 ohm LIF  
**TOY** 3.9 ohm 1 hr/day



### Industry Standard Tests (21°C)

**PHOTOFLASH** 1K mA 10 sec/min 1 hr/day  
**DIGITAL CAMERA** 1.5/.65K mW 2/.1/27.9s 10X



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