



Intrinsically Safe.

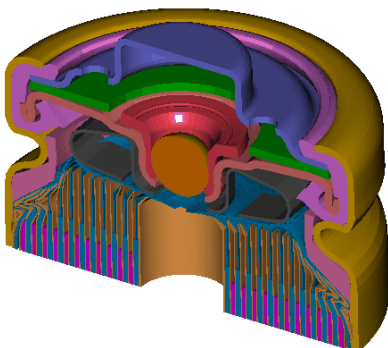
Safety is vitally important when working in hazardous conditions. Intrinsic safety is the globally recognized protection technique designed to ensure safe operation of electronic devices in potentially explosive environments by eliminating the potential for ignition.



*Energizer*® Application Support is proud to announce ***Energizer*® Ultimate Lithium™ AA and AAA batteries are now certified as a component in intrinsic safety apparatus according to Directive 94/9/EC ATEX.** This means that the world's longest lasting AA and AAA battery in high tech devices can readily be used in these applications.

For more information please consult your *Energizer*® sales representative, visit our technical information website [data.energizer.com](http://data.energizer.com), or email us at [Application.Support@Energizer.com](mailto:Application.Support@Energizer.com).

### ***Energizer*® Ultimate Lithium™ Batteries Designed and Manufactured for Safety**



- Temperature and pressure activated ball vent mechanism
- Temperature responsive PTC acts as a resettable fuse
- High tensile strength separator for improved physical abuse tolerance
- Thermally responsive separator shuts down to limit temperature build-up
- All-foil current collector resists shorting during physical abuse
- Cathode particle size control prevents separator damage
- More than twenty in-line inspections of every battery
- Passes all industry standard tests for abuse and common misuse
- Used by NASA and military agencies around the world

***Energizer***®

that's positivenergy

## Technical Specifications

	AA (L91)	AAA (L92)
<b>Nominal Voltage</b>	1.5 V	
<b>Nominal Capacity</b>	3400 mAh (@ 1000 mA to 1.0V) 3500 mAh (@ 100 mA to 1.0V)	1250 mAh (@ 100 mA to 1.0V) 1300 mAh (@ 10 mA to 1.0V)
<b>Maximum Continuous Discharge Rate</b>	3000 mA	1500 mA
<b>Typical Weight</b>	14.5 g	7.6 g
<b>Operating Temperature</b>	-40°C to +60°C	
<b>Shelf Life</b>	Demonstrated > 20 years at 21°C	
<b>Internal Resistance</b>	60 - 210 mΩ	140 - 300 mΩ



- The world's highest energy AA battery
- Works in extreme temperatures: -40°C to +60°C
- Holds power for up to 20 years
- Weighs 33% less than alkaline
- Leak-proof
- Certified for intrinsic safety

### Directive 94/9/EC ATEX

<b>Product types</b>	AA and AAA Primary Lithium Batteries
<b>Product description</b>	AA and AAA <i>Energizer</i> ® Ultimate Lithium™
<b>Model numbers</b>	L91 and L92
<b>Electrical ratings</b>	AAA, 1.5V, 1250 mAh AA, 1.5V, 3400 mAh
<b>Standards tested</b>	1. EN 60079-0:2012 2. EN 60079-11:2012
<b>Provisions of the Directive fulfilled by the Equipment</b>	1. 1 - 2 AA cells in series or in parallel:  IIG Ex ia IIC, T4, -40°C to +60°C 2. 1 - 2 AAA cells in series or in parallel:  IIG Ex ia IIC, T4, -40°C to +60°C

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