**ENERGIZER NO. 509**

**Chemical System:** "Carbon Zinc" CLASSIC  
Zinc-Manganese Dioxide (Zn/MnO₂)  
(No Added Mercury or Cadmium)

**Designation:** ANSI-908, IEC-4R25

**Nominal Voltage:** 6.0 volts  
**Operating Temp:** -18°C to 55°C (0°F to 130°F)  
**Typical Weight:** 600 grams (21.2 oz.)  
**Typical Volume:** 492 cubic centimeters (30 cubic inches)  
**Jacket:** Plastic

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**Storage/Capacity Characteristics**

Effects of Storage at Various Temperatures

![Storage graph]

**Industry Standard Tests (21°C)**

**LIGHTING**  
9.1 ohm 30 min/hr - 8 hrs/day

![Voltage vs. Service (Lighting) graph]

**LIGHTING**  
33 ohm 30 min/hr - 8 hrs/day

![Voltage vs. Service (Lighting) graph]

**BARRICADE FLASHER**  
110 ohm 12 hrs/day

![Voltage vs. Service (Barricade Flasher) graph]

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**Important Notice**

This data sheet contains typical information specific to batteries manufactured at the time of its publication.