ENERGIZER NO. EV131

Industry Standard Dimensions in mm (inches)

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

Designation: ANSI-918CD, IEC-4R25X

Battery Voltage: 6 Volts

Operating Temp: -18ºC to 55ºC (0ºF to 130ºF)

Average Weight: 1,250 grams (44.1 oz.)

Volume: 1,123 cubic centimeters (68.5 cubic inch)

Average Capacity: 10 Ah to 3.6 volts  
(Rated at 25k ohms continuous at 21ºC)

Cell: Eight No. 60 (size "F") in series

Two parallel string of four in series

Terminals: Screw Post

Jacket: Plastic

INTERNAL RESISTANCE VS. TEMPERATURE

The measurement is an approximation of the battery's actual internal resistance. It is sensitive to the loads and operator technique.

Schedule: Background Load 600 ohms  
Pulse Load 10 ohms  
Pulse Duration 1 second

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Typical Ri (ohms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>45ºC (113ºF)</td>
<td>1.6</td>
</tr>
<tr>
<td>21ºC (70ºF)</td>
<td>0.7</td>
</tr>
<tr>
<td>0ºC (32ºF)</td>
<td>0.8</td>
</tr>
<tr>
<td>-21ºC (-4ºF)</td>
<td>10.0</td>
</tr>
</tbody>
</table>

CONSTANT RESISTANCE PERFORMANCE

Typical Service

<table>
<thead>
<tr>
<th>Discharge Resistance, Ohms</th>
<th>Service, Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1000</td>
</tr>
<tr>
<td>10</td>
<td>1000</td>
</tr>
<tr>
<td>100</td>
<td>1000</td>
</tr>
<tr>
<td>1000</td>
<td>1000</td>
</tr>
</tbody>
</table>

3.0 Cutoff Voltage
4.4 Cutoff Voltage
5.2 Cutoff Voltage

CONSTANT CURRENT DISCHARGE

Typical Service

<table>
<thead>
<tr>
<th>Discharge Current, mA</th>
<th>Service Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1000</td>
</tr>
<tr>
<td>10</td>
<td>1000</td>
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<tr>
<td>100</td>
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Important Notice

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**Typical Applications**

**LIGHTING**

- **Load:** 9.1 ohms
- **Schedule:** 30 min. ON
  - 30 min. OFF
  - 8 hours/day

**LIGHTING**

- **Load:** 8.2 ohms
- **Schedule:** 30 min./day

**LIGHTING**

- **Load:** 110 ohms
- **Schedule:** 12 hrs/day

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