ENGERGIZER NO. AC675

Industry Standard Dimensions in mm (inches)

Chemical System: Zinc Air (ZnO₂)

Designation: ANSI - 7003ZD, IEC - PR44

Battery Voltage: 1.4 Volts

Average Weight: 1.9 grams (0.1 oz.)

Volume: 0.5 cubic centimeters (0.03 cubic inch)

Average Capacity: 635 mAh to 0.9 volts
(Rated at 625 ohms at 21ºC & 50% RH)

Cells: AC675

Typical Drains

Schedule: 16 hours/day

Typical Drain @ 1.3V: 2.1 & 1.3 milliamperes

Load: 625 & 1,000 ohms

Cutoff Voltage

Schedule: 16 hours/day

Typical Drains at 1.3V (milliamperes)  Load (ohms)  Cutoff Voltage 0.9V

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Load (ohms)</th>
<th>625</th>
<th>1K</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 hours/day</td>
<td>2.1</td>
<td>625</td>
<td>302 Hours</td>
</tr>
<tr>
<td>16 hours/day</td>
<td>1.3</td>
<td>1,000</td>
<td>488 Hours</td>
</tr>
</tbody>
</table>

IMPEDANCE: The typical impedance of these cells on open circuit and during useful discharge varies from 5-20 ohms. This applies over a frequency range of 40-5,000 hertz and at the current drain shown above.

Important Notice

This data sheet contains information specific to batteries manufactured at the time of its publication. Contents herein do not constitute a warranty.

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**Impedance vs. Frequency**

![Impedance vs. Frequency graph]

**Impedance vs. Depth of Discharge**

![Impedance vs. Depth of Discharge graph]

**IMPEDANCE (Z)**: The total opposition that a battery offers to a flow of alternating current. Impedance is a combination of resistance and reactance.

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**“AIR CELL” BATTERY - CUTAWAY VIEW**

![Air Cell Battery Diagram]

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