**ENERGIZER NO. NH22**

**Description:** Rechargeable 7.2V

**Chemical System:** Nickel-Metal Hydride (NiMH)

**Designation:** ANSI-7.2H5

**Battery Voltage:** 7.2 Volts

**Average Capacity:** 150 mAh (to 6.0 volts)

(Based on 30 mA (0.2C) discharge rate)

**Average Weight:** 41.0 grams (1.5 oz.)

**Volume:** 21.7 cubic centimeters (1.3 cubic inch)

**Jacket:** Plastic

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**Internal Resistance**

The internal resistance of the cell varies with state of charge, as follows:

<table>
<thead>
<tr>
<th>State of Charge</th>
<th>Internal Resistance (milliohms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Charged</td>
<td>1500</td>
</tr>
<tr>
<td>Cell 1/2 Discharged</td>
<td>1000 (tolerance of ±20% applies to above values)</td>
</tr>
</tbody>
</table>

**AC Impedance (No Load)**

The impedance of the charged cell varies with frequency, as follows:

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>Impedance (milliohms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>950</td>
</tr>
</tbody>
</table>

**Operating and Storage Temperatures**

Ranges of temperature applicable to operation of the NH22 cells are:

- **Charge @ 0.1C:** 32ºF to 122ºF (0ºC to 50ºC)
- **Discharge @ 0.1C:** –4ºF to 122ºF (-20ºC to 50ºC)
- **Storage:** -40ºF to 122ºF (-40ºC to 50ºC)
  - (6 Months Max.)
  - –4ºF to 95ºF (-20ºC to 35ºC)
  - (2 Years Max.)

Operating at extreme temperature will significantly affect service and cycle life.

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**Important Notice**

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

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