**ENERGIZER NH50-2500 (HR20)**

**Industry Standard Dimensions**

- **Nominal Voltage:** 1.2 Volts
- **Rated Capacity:** 2500 mAh at 21°C (70°F)
- **Typical Weight:** 73.0 grams (2.6 oz.)
- **Typical Volume:** 57.0 cubic centimeters (3.5 cubic inch)
- **Terminals:** Flat Contact
- **Jacket:** Plastic

* Based on 500 mA (0.2C rate) continuous discharge to 1.0 volts.

**Internal Resistance:**

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

- **Cell Charged:** 11 milliohms
- **Cell 1/2 Discharged:** 21 milliohms

(tolerance of ±20% applies to above values)

**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>9</td>
</tr>
</tbody>
</table>

Above values based on AC current set at 1.0 amper. Value tolerances are ±20%.

**Operating and Storage Temperatures:**

To maintain maximum performance, observe the following general guidelines regarding environmental conditions:

- **Charge:** 0°C to 40°C (32°F to 104°F)
- **Discharge:** 0°C to 50°C (32°F to 122°F)
- **Storage:** -20°C to 30°C (-4°F to 86°F)
- **Humidity:** 65±20%

**NOTE:** Operating at extreme temperatures, will significantly impact battery cycle life.

**Important Notice**

This data sheet contains typical information specific to products manufactured at the time of its publication. Contents herein do not constitute a warranty and are for reference only.