ENGERGIZER NO. NH50

Description: Rechargeable 1.2V
Chemical System: Nickel-Metal Hydride (NiMH)
Designation: ANSI-1.2H4
Battery Voltage: 1.2 Volts
Average Capacity: 2500 mAh (to 1.0 volts)
(Based on 500 mA (0.2C) discharge rate)
Average Weight: 73.0 grams (2.6 oz.)
Volume: 56.5 cubic centimeters (3.5 cubic inch)
Jacket: Plastic Label

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

<table>
<thead>
<tr>
<th>Cell Charged</th>
<th>Cell 1/2 Discharged</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 milliohms</td>
<td>21 milliohms (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>9</td>
</tr>
</tbody>
</table>

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

Operating and Storage Temperatures
Ranges of temperature applicable to operation of the NH50 cells are:

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

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

Important Notice
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