ENERGIZER NH12-650

Specifications

Classification: Rechargeable
Chemical System: Nickel-Metal Hydride (NiMH)
Designation: ANSI-1.2H1
Nominal Voltage: 1.2 Volts
Rated Capacity: 650 mAh* at 21°C (70°F)
Typical Weight: 12.0 grams (0.4 oz.)
Typical Volume: 3.8 cubic centimeters (0.2 cubic inch)
Terminals: Flat Contact
Jacket: Plastic

* Based on 130 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: 100 milliohms
- Cell 1/2 Discharged: 120 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>Cell Charged: 100</td>
</tr>
<tr>
<td></td>
<td>Cell 1/2 Discharged: 120</td>
</tr>
</tbody>
</table>

(tolerance of ±20% applies to above values)

Above values based on AC current set at 1.0 ampere. 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.

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