Rechargeable AA-2450 (HR6)

**Specifications**

**Classification:** ACCU Rechargeable  
**Chemical System:** Nickel-Metal Hydride (NiMH)  
**Designation:** IEC-HR6  
**Nominal Voltage:** 1.2 Volts  
**Rated Capacity:** 2450 mAh (to 1.0 volts)  
**Based on 490 mA (0.2C) discharge rate**  
**Typical Weight:** 28.1 grams  
**Typical Volume:** 8.3 cubic centimeters  
**Jacket:** Plastic Label

**Internal Resistance:**

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

- **Cell Charged**: 30 milliohms  
- **Cell 1/2 Discharged**: 40 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>12</td>
</tr>
</tbody>
</table>

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  
- **Discharge:** 0°C to 50°C  
- **Storage:** -20°C to 30°C  
- **Humidity:** 65±20%  

Operating at extreme temperatures will significantly impact battery cycle life.

**Important Notice**

This datasheet contains information specific to battery chargers manufactured at the time of its publication.  
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