**EVEREADY 413**

**Industry Standard Dimensions**

<table>
<thead>
<tr>
<th>mm (inches)</th>
<th>10 (0.39)</th>
<th>14 (0.55)</th>
<th>18 (0.71)</th>
<th>22 (0.87)</th>
<th>26 (1.02)</th>
<th>30 (1.18)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical Contact</td>
<td>6.10 (0.24)</td>
<td>9.00 (0.35)</td>
<td>14.00 (0.55)</td>
<td>16.00 (0.63)</td>
<td>18.00 (0.71)</td>
<td>20.00 (0.79)</td>
</tr>
<tr>
<td>Type</td>
<td>Flat</td>
<td>Flat</td>
<td>Flat</td>
<td>Flat</td>
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<td>Flat</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2.4 (0.094)</td>
<td>2.4 (0.094)</td>
<td>2.4 (0.094)</td>
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<td>2.4 (0.094)</td>
</tr>
</tbody>
</table>

**Chemical System:** Zinc-Manganese Dioxide (Zn/MnO₂)

**Designation:** ANSI / NEDA-210, IEC-20F20

**Battery Voltage:** 30 Volts

**Average Weight:** 48 grams (1.7 oz.)

**Volume:** 27 cubic centimeters (1.6 cubic inch)

**Average Capacity:**
- 140 mAh to 0.8 volts/cell
- (Rated at 25 mA continuous drain at 21ºC)

**Cells:** Twenty No. 112 in series

**Jacket:** Metal

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**TYPICAL DISCHARGE CURVE**

Simulated Test @ 21ºC (70ºF)

**Schedule:** 4 hours/day

Typical Drain @ 24V: 0.8 mA

Load: 30,000 ohms

**Cutoff Voltage**

<table>
<thead>
<tr>
<th>Voltage (Volts)</th>
<th>16V</th>
<th>18V</th>
<th>20V</th>
<th>22V</th>
<th>24V</th>
<th>26V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours</td>
<td>162</td>
<td>151</td>
<td>147</td>
<td>138</td>
<td>115</td>
<td>77</td>
</tr>
</tbody>
</table>

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**Important Notice**

This data sheet contains information specific to batteries manufactured at the time of its publication. **Contents herein do not constitute a warranty.**

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