**HR4000**

- **Exclusive IPF® Technology** optimizes power capacity, cell consistency, and long-term reliability
- Advanced AGM technology for superior high rate, short term power
- Reinforced case resists bulging and meets safety requirements
- Case & cover heat sealed and 100% tested to prevent leaks
- Epoxy-sealed posts eliminate leaks
- Puncture resistant micro-porous glass mat separators extend life
- Flame arresting, low pressure, self-sealing valves are 100% factory tested
- Computer-aided design, manufacturing control processes, and standards to ensure quality products
- All batteries meet or exceed IEEE recommended practices
- Battery design and construction meet UL recognition requirements

**SPECIFICATIONS**

Nominal Voltage: 12-Volt/420 w.p.c. @ 15 min. rate to 1.67 v.p.c.

Positive Plate: Pure lead, low-calcium, high-tin alloy

Negative Plate: Lead calcium alloy

Post Seal: Epoxy-sealed

Terminal: Top access, 1/4" - 20 threaded insert

Container: Flame-retardant, polypropylene - UL 94 V-0/>28% L.O.I.

Safety Vent: Low positive pressure, self-sealing w/ flame arrester

Float Voltage: 2.25 v.p.c. ± 0.01 v.p.c. (Range: 13.44 to 13.56 volts per 6-cell battery)

Design Life: 10 years in float applications at 77°F (25°C)

Dimensions: 12.93" (328 mm) L x 6.84" (173 mm) W x 8.70" (221 mm) H

Weight: 80 lbs. (36.2 kg)

**DISCHARGE RATE IN WATTS PER CELL RATINGS @ 77°F (25°C)†**

<table>
<thead>
<tr>
<th>Volts Per Cell (VPC)</th>
<th>1 MIN.</th>
<th>5 MINS.</th>
<th>10 MINS.</th>
<th>15 MINS.</th>
<th>20 MINS.</th>
<th>30 MINS.</th>
<th>40 MINS.</th>
<th>50 MINS.</th>
<th>60 MINS.</th>
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<tbody>
<tr>
<td>1.60</td>
<td>1405</td>
<td>832</td>
<td>554</td>
<td>428</td>
<td>350</td>
<td>257</td>
<td>204</td>
<td>168</td>
<td>145</td>
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<tr>
<td>1.67</td>
<td>1227</td>
<td>780</td>
<td>541</td>
<td>420</td>
<td>344</td>
<td>254</td>
<td>202</td>
<td>167</td>
<td>143</td>
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<tr>
<td>1.70</td>
<td>1125</td>
<td>750</td>
<td>532</td>
<td>417</td>
<td>342</td>
<td>252</td>
<td>201</td>
<td>166</td>
<td>143</td>
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<tr>
<td>1.75</td>
<td>1027</td>
<td>705</td>
<td>506</td>
<td>404</td>
<td>335</td>
<td>249</td>
<td>198</td>
<td>163</td>
<td>140</td>
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<tr>
<td>1.80</td>
<td>—</td>
<td>640</td>
<td>471</td>
<td>381</td>
<td>316</td>
<td>237</td>
<td>191</td>
<td>159</td>
<td>138</td>
</tr>
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</table>

† Subject to change without notice.