**HIGH RATE SERIES**

**HR3000**

- **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/310 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 arrestor

**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:** 10.20" (259 mm) L x 6.56" (166 mm) W x 8.24" (209 mm) H

**Weight:** 61 lbs. (27.7 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>
</tr>
</thead>
<tbody>
<tr>
<td>1.60</td>
<td>1080</td>
<td>610</td>
<td>413</td>
<td>316</td>
<td>259</td>
<td>190</td>
<td>151</td>
<td>124</td>
<td>107</td>
</tr>
<tr>
<td>1.67</td>
<td>972</td>
<td>576</td>
<td>400</td>
<td>310</td>
<td>254</td>
<td>188</td>
<td>149</td>
<td>123</td>
<td>106</td>
</tr>
<tr>
<td>1.70</td>
<td>924</td>
<td>559</td>
<td>393</td>
<td>305</td>
<td>250</td>
<td>185</td>
<td>148</td>
<td>122</td>
<td>105</td>
</tr>
<tr>
<td>1.75</td>
<td>830</td>
<td>519</td>
<td>373</td>
<td>293</td>
<td>243</td>
<td>182</td>
<td>145</td>
<td>120</td>
<td>104</td>
</tr>
<tr>
<td>1.80</td>
<td>—</td>
<td>466</td>
<td>343</td>
<td>277</td>
<td>235</td>
<td>176</td>
<td>140</td>
<td>116</td>
<td>101</td>
</tr>
</tbody>
</table>

Subject to change without notice.