**MORE POWER – LESS SPACE™**

**Deka® unigy®**

**HIGH RATE SERIES**

**45HR2000**

- **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 (UL 94 V-0)
- 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/168 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:** 8.99” (228 mm) L x 5.47” (139 mm) W x 8.27” (210 mm) H

**Weight:** 40 lbs. (18 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>
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<tbody>
<tr>
<td>1.60</td>
<td>569</td>
<td>322</td>
<td>222</td>
<td>172</td>
<td>141</td>
<td>105</td>
<td>84.5</td>
<td>71.5</td>
<td>62.3</td>
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<tr>
<td>1.67</td>
<td>526</td>
<td>308</td>
<td>216</td>
<td>168</td>
<td>138</td>
<td>104</td>
<td>83.6</td>
<td>70.7</td>
<td>61.6</td>
</tr>
<tr>
<td>1.70</td>
<td>500</td>
<td>300</td>
<td>212</td>
<td>166</td>
<td>137</td>
<td>103</td>
<td>83.0</td>
<td>70.1</td>
<td>61.0</td>
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<tr>
<td>1.75</td>
<td>472</td>
<td>286</td>
<td>205</td>
<td>161</td>
<td>134</td>
<td>101</td>
<td>81.7</td>
<td>69.0</td>
<td>60.2</td>
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<tr>
<td>1.80</td>
<td>—</td>
<td>253</td>
<td>189</td>
<td>151</td>
<td>127</td>
<td>96.9</td>
<td>78.9</td>
<td>66.9</td>
<td>58.4</td>
</tr>
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</table>

† Subject to change without notice.