MORE POWER - LESS SPACE®
Deka®
unigy I

12AVR90
- Exclusive IPF® technology optimizes power capacity, cell consistency, and long-term reliability
- Advanced AGM technology for superior high-rate power
- Puncture resistant micro-porous glass mat separators extend life
- Front access design for easy installation and maintenance
- 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
- Flame arresting, low-pressure, self-sealing valves are 100% factory tested
- Computer-aided design and 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
- Plate thickness optimized for long life
- Guaranteed 100% initial string capacity when tested in accordance with IEEE 1188
- Designed to meet GR4228 specifications
- 48 volt system fits in 23" relay rack tray

SPECIFICATIONS
Nominal Voltage: 12-Volts
Rating: 82.1 Ampere-Hours
@ 8 hr. rate to 1.75 V.P.C.
Positive Plate: >98% Pure lead with tin-calcium alloy
Negative Plate: Pure lead, calcium alloy
Post Seal: Epoxy-sealed
Terminal: Top access, 1/4" – 20 threaded insert
Case/Cover: 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. @ 77°F (25°C)
Design life: 10 years in float applications @ 77°F (25°C)
Dimensions: Length - 12.01" (305.2 mm)
Width - 6.56" (166.7 mm)
Height - 8.24" (209.3 mm)
Weight: 64.5 lbs. (29 kg)

DISCHARGE RATINGS IN AMPS @ 77°F (25°C)

<table>
<thead>
<tr>
<th>Volts per Cell (V.P.C.)</th>
<th>1 HR.</th>
<th>2 HR.</th>
<th>3 HR.</th>
<th>4 HR.</th>
<th>5 HR.</th>
<th>8 HR.</th>
<th>12 HR.</th>
<th>20 HR.</th>
<th>24 HR.</th>
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<td>1.75</td>
<td>57.3</td>
<td>33.2</td>
<td>23.9</td>
<td>18.7</td>
<td>15.5</td>
<td>10.3</td>
<td>7.1</td>
<td>4.4</td>
<td>3.7</td>
</tr>
<tr>
<td>1.80</td>
<td>55.3</td>
<td>32.5</td>
<td>23.4</td>
<td>18.4</td>
<td>15.2</td>
<td>10.1</td>
<td>7.0</td>
<td>4.3</td>
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</tr>
<tr>
<td>1.85</td>
<td>51.8</td>
<td>30.8</td>
<td>22.2</td>
<td>17.5</td>
<td>14.5</td>
<td>9.6</td>
<td>6.7</td>
<td>4.2</td>
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</tr>
<tr>
<td>1.88</td>
<td>48.7</td>
<td>29.1</td>
<td>21.1</td>
<td>16.6</td>
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<td>9.2</td>
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<tr>
<td>1.90</td>
<td>45.7</td>
<td>27.7</td>
<td>20.1</td>
<td>15.9</td>
<td>13.2</td>
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<td>6.1</td>
<td>3.8</td>
<td>3.2</td>
</tr>
</tbody>
</table>

*Subject to change without notice.
INSTALLATION AND OPERATING INSTRUCTIONS