**HR5500ET**

- 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

**SPECIFICATIONS**

- Nominal Voltage: 12-Volts
- Rating: 550 Watts/Cell @ 15 min. rate to 1.67 V.P.C.
- Positive Plate: > 98% Pure lead with tin-calcium alloy
- Negative Plate: Pure lead, calcium alloy
- Post Seal: Epoxy-sealed
- Terminal: Front 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 arrestor
- 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: 21.84” (554.7 mm)
  - Width: 4.97” (126.3 mm)
  - Height: 11.64” (295.7 mm)
- Weight: 115 lbs. (52 kg)

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

<table>
<thead>
<tr>
<th>Volts per Cell (V.P.C.)</th>
<th>1 MIN.</th>
<th>5 MIN.</th>
<th>10 MIN.</th>
<th>15 MIN.</th>
<th>20MIN.</th>
<th>30 MIN.</th>
<th>40 MIN.</th>
<th>50 MIN.</th>
<th>60 MIN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.60</td>
<td>N/A</td>
<td>946</td>
<td>712</td>
<td>576</td>
<td>471</td>
<td>369</td>
<td>297</td>
<td>250</td>
<td>218</td>
</tr>
<tr>
<td>1.63</td>
<td>N/A</td>
<td>913</td>
<td>695</td>
<td>567</td>
<td>464</td>
<td>367</td>
<td>295</td>
<td>250</td>
<td>218</td>
</tr>
<tr>
<td>1.65</td>
<td>N/A</td>
<td>888</td>
<td>682</td>
<td>558</td>
<td>459</td>
<td>363</td>
<td>293</td>
<td>248</td>
<td>217</td>
</tr>
<tr>
<td>1.67</td>
<td>N/A</td>
<td>864</td>
<td>670</td>
<td>550</td>
<td>453</td>
<td>360</td>
<td>291</td>
<td>247</td>
<td>216</td>
</tr>
<tr>
<td>1.70</td>
<td>N/A</td>
<td>828</td>
<td>647</td>
<td>535</td>
<td>443</td>
<td>356</td>
<td>288</td>
<td>245</td>
<td>215</td>
</tr>
<tr>
<td>1.75</td>
<td>N/A</td>
<td>749</td>
<td>602</td>
<td>506</td>
<td>420</td>
<td>344</td>
<td>280</td>
<td>239</td>
<td>210</td>
</tr>
</tbody>
</table>

†Subject to change without notice.
OPTIONAL FACTORY ACCEPTANCE TESTING

- More economical than performing a load test on site
- Confirms published capacity rating of product
- Establishes a factory baseline ohmic reading
- Formal test report provided
- Contact your East Penn Mfg. representative for additional information

TESTING SPECIFICATIONS

- Exceeds IEEE-1188 standards
- 10 minute battery rate to 1.67 V.P.C.
- Constant power discharge
- String ≥ 100% capacity — All individual batteries ≥ 95% capacity
- Conductance readings taken before the test
- Battery voltage recorded on report every 2 minutes

INSTALLATION AND OPERATING INSTRUCTIONS


East Penn Manufacturing Co.  
Lyon Station, PA 19536-0147  
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