TRAFFIC SERIES AGM

- Epoxy-sealed posts eliminate leaks
- Pure lead, low calcium, high tin positive grids
- Puncture resistant micro-porous glass mat separators extend life
- Individual plate formation (IPF™) optimize cell voltage balance and performance
- Reinforced standard polypropylene case and cover resists bulging and meets safety requirements
- Low pressure, self-sealing valve maximizes gas recombination efficiency and minimizes gassing
- Computer-aided design and manufacturing ensure quality products through control of process and standards
- Case and cover heat sealed and 100% tested to prevent leaks
- Float Voltage: 2.25 volts per cell ± 0.1 VPC @ 77°F (25°C)
- Design life 10 years @ 77°F / 25°C (full float)
- All batteries meet or exceed IEEE-485 capacity requirements at shipment
- Designed to function properly when mounted on side
- Successfully deployed in field since 2001

Specifications

<table>
<thead>
<tr>
<th>Battery</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>45HR2000S-MK</td>
<td>8.84</td>
<td>5.31</td>
<td>8.26</td>
<td>40</td>
</tr>
</tbody>
</table>

Chart contains dimensions in inches over millimeters and pounds over kilograms.

- CAPACITY: 48 Ah @ 20 hr rate to 1.75 VPC @ 77°F
- Watts per cell @ 60 minutes = 60 to 1.75 VPC @ 77°F
- GROUP SIZE: 45
- OPERATING TEMPERATURE RANGE: -40°TO 140°F (-40°C to 60°C)
- Caltrans BBS temperature clause will be supported.
- *Temperature and battery age effect runtime.
- STANDARD WARRANTY: 2 year full replacement
  *See warranty sheet for details.
- NOMINAL VOLTAGE: 12-Volt
- FLOAT CHARGE VOLTAGE: 13.50 @ 77°F (25°C)
- EQUALIZE CHARGE VOLTAGE: 13.8
- TERMINAL: Molded lead terminal with 1/4 x 20 brass inserts
- TORQUE VALUE: 60 inch lbs.
- RIPPLE: Limited to 0.5% RMS or 1.5% of the float voltage

Discharge Ratings in Watts Per Battery To 1.75 VPC at 77°F (25°C)

<table>
<thead>
<tr>
<th>Time</th>
<th>1 hour</th>
<th>2 hour</th>
<th>3 hour</th>
<th>4 hour</th>
<th>5 hour</th>
<th>6 hour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>361</td>
<td>210</td>
<td>150</td>
<td>118</td>
<td>99</td>
<td>85</td>
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</tbody>
</table>

Made in the U.S.A. by East Penn Manufacturing