Specifications

Nominal Voltage: 12V
Rated capacity (10 hour rate): 200Ah

Dimensions:
- Length: 522±2mm (20.55in)
- Width: 238±2mm (9.37in)
- Height: 218±2mm (8.58in)
- Total Height: 222±2mm (8.74in)
- Approx. Weight: 62.5kg (137.8lbs) ±3%

Characteristics

- Capacity (25°C):
  - 10HR (10.8V): 200Ah
  - 3HR (10.8V): 150Ah
  - 1HR (10.5V): 110Ah
- Internal resistance (Fully charged, 25°C): T16, Approx. 3mΩ
- Capacity affected by temperature (10HR):
  - 40°C: 102%
  - 25°C: 100%
  - 0°C: 85%
  - -15°C: 65%
- Self-discharge (25°C):
  - 3 months: Remaining Capacity 91%
  - 6 months: Remaining Capacity 82%
  - 12 months: Remaining Capacity 65%
- Nominal operating temperature: 25°C ±3°C (77°F ±5°F)
- Operating temperature range:
  - Discharge: -15°C~50°C (5°F~122°F)
  - Charge: -10°C~50°C (14°F~122°F)
  - Storage: -20°C~50°C (-4°F~122°F)
- Float charging voltage (25°C): 13.50 to 13.80V
  - Temperature compensation: -18mV/°C
- Cyclic charging voltage (25°C): 14.50 to 15.00V
  - Temperature compensation: -30mV/°C
- Maximum charging current: 60A
- Maximum discharge current: 1400A (5 sec.)
- Designed floating life (20°C): 10 years

Construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Positive plate</th>
<th>Negative plate</th>
<th>Container</th>
<th>Cover</th>
<th>Separator</th>
<th>Electrolyte</th>
<th>Safety valve</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw material</td>
<td>Lead dioxide</td>
<td>Lead</td>
<td>ABS</td>
<td>ABS</td>
<td>AGM</td>
<td>Sulfuric acid</td>
<td>Rubber</td>
<td>Copper</td>
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</tbody>
</table>

 Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

<table>
<thead>
<tr>
<th>F.V./Time</th>
<th>15min</th>
<th>30min</th>
<th>60min</th>
<th>2h</th>
<th>3h</th>
<th>4h</th>
<th>5h</th>
<th>6h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
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<tbody>
<tr>
<td>9.60V</td>
<td>343</td>
<td>205</td>
<td>126</td>
<td>74.5</td>
<td>53.7</td>
<td>42.9</td>
<td>36.6</td>
<td>31.8</td>
<td>25.2</td>
<td>20.6</td>
<td>11.0</td>
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<tr>
<td>9.90V</td>
<td>334</td>
<td>201</td>
<td>124</td>
<td>74.1</td>
<td>53.4</td>
<td>42.6</td>
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<tr>
<td>10.2V</td>
<td>322</td>
<td>195</td>
<td>121</td>
<td>73.4</td>
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<td>42.3</td>
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<td>31.4</td>
<td>24.9</td>
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<td>11.0</td>
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<tr>
<td>10.5V</td>
<td>311</td>
<td>190</td>
<td>117</td>
<td>72.3</td>
<td>52.8</td>
<td>42.0</td>
<td>35.9</td>
<td>31.2</td>
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<td>20.6</td>
<td>10.9</td>
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<tr>
<td>10.8V</td>
<td>295</td>
<td>183</td>
<td>113</td>
<td>70.5</td>
<td>51.1</td>
<td>40.8</td>
<td>34.8</td>
<td>30.3</td>
<td>23.9</td>
<td>20.4</td>
<td>10.8</td>
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</table>

 Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

<table>
<thead>
<tr>
<th>F.V./Time</th>
<th>15min</th>
<th>30min</th>
<th>60min</th>
<th>2h</th>
<th>3h</th>
<th>4h</th>
<th>5h</th>
<th>6h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
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<tbody>
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<td>1437</td>
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<tr>
<td>9.90V</td>
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<td>2254</td>
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<tr>
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<tr>
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Note: The above characteristics data can be obtained within three charge or discharge cycles.