GEL OGiV 12450 L
(12V 45Ah GEL Battery)

Floating Life at 20°C designed for 12 years
EAN: 4260349822220

Dimensions

- **Length**: 257mm (10.12inch)
- **Width**: 132mm (5.20inch)
- **Height**: 200mm (7.87inch)
- **Total Height**: 200mm (7.87inch)
- **Approx. Weight**: 16.2kg (35.7lbs)

Temperature Effects in Relation to Battery Capacity

![Temperature Effects Graph](image)

Specifications

- **Nominal Voltage**: 12V
- **Capacity (25°C@1.8V/C)**:
  - C20: 45Ah
  - C5: 35Ah
- **Dimensions**:
  - **Length**: 257mm (10.12inch)
  - **Width**: 132mm (5.20inch)
  - **Height**: 200mm (7.87inch)
  - **Total Height**: 200mm (7.87inch)
  - **Approx. Weight**: 16.2kg (35.7lbs)
  - **Maximum charging current**: 11.25A
  - **Maximum discharge current**: 450A (5sec.)
  - **Internal resistance**: Approx. 9.6mΩ
  - **Capacity affected by temperature (20hr)**:
    - 40°C: 103%
    - 25°C: 100%
    - 0°C: 86%
    - -15°C: 65%
  - **Self-discharge (25°C)**:
    - 3 month: Remaining Capacity: 91%
    - 6 month: Remaining Capacity: 82%
    - 12 month: Remaining Capacity: 65%
  - **Nominal operating temperature**: 25°C ±3°C (77°F±5°F)
  - **Operating temperature range**: -20°C ~ 55°C (-4°F ~ 131°F)
  - **Float charging voltage (25°C)**: 13.65 to 13.80V
  - **Cyclic charging voltage (25°C)**: 14.40 to 15.00V
  - **Terminal material**: Copper

Constant Current Discharge Characteristics (Ampere / Cell, 25°C)

<table>
<thead>
<tr>
<th>F.V/TIME</th>
<th>20min</th>
<th>30min</th>
<th>45min</th>
<th>1h</th>
<th>3h</th>
<th>5h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.60V/cell</td>
<td>59.5</td>
<td>43.7</td>
<td>32.1</td>
<td>26.3</td>
<td>11.7</td>
<td>7.81</td>
<td>5.23</td>
<td>4.22</td>
<td>2.38</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>52.8</td>
<td>39.3</td>
<td>28.9</td>
<td>23.9</td>
<td>10.9</td>
<td>7.43</td>
<td>5.06</td>
<td>4.09</td>
<td>2.32</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>43.6</td>
<td>33.4</td>
<td>25.1</td>
<td>21.1</td>
<td>9.89</td>
<td>6.93</td>
<td>4.76</td>
<td>3.92</td>
<td>2.25</td>
</tr>
</tbody>
</table>

Constant Power Discharge Characteristics (Watt / Cell, 25°C)

<table>
<thead>
<tr>
<th>F.V/TIME</th>
<th>20min</th>
<th>30min</th>
<th>45min</th>
<th>1h</th>
<th>3h</th>
<th>5h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.60V/cell</td>
<td>645.6</td>
<td>482.4</td>
<td>360.0</td>
<td>298.8</td>
<td>135.0</td>
<td>91.2</td>
<td>61.8</td>
<td>50.2</td>
<td>28.3</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>585.0</td>
<td>442.2</td>
<td>328.2</td>
<td>274.2</td>
<td>126.6</td>
<td>87.0</td>
<td>60.0</td>
<td>48.8</td>
<td>27.7</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>494.4</td>
<td>382.2</td>
<td>290.4</td>
<td>244.8</td>
<td>115.8</td>
<td>81.6</td>
<td>56.7</td>
<td>46.8</td>
<td>26.9</td>
</tr>
</tbody>
</table>

Valid from 08-2014