AT OGiV 121200 L
(12V 120Ah Battery)

Floating Life at 20°C designed for 12 years

**Dimensions**

[Image of battery dimensions]

**Specifications**

<table>
<thead>
<tr>
<th>Nominal Voltage</th>
<th>12V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity (20hr@25°<a href="mailto:C@1.8V">C@1.8V</a>/C)</td>
<td>124Ah</td>
</tr>
</tbody>
</table>

**Dimensions**

- **Length**: 409mm (16.1 inch)
- **Width**: 176mm (6.93 inch)
- **Height**: 225mm (8.86 inch)
- **Total Height**: 225mm (8.86 inch)

- **Approx. Weight**: 35kg (77.2 lbs)

- **Maximum charging current**: 36A
- **Maximum discharge current**: 960A (5sec.)

- **Internal resistance (Fully charged, 25°C)**: Approx. 4m4

- **Capacity affected by temperature (10hr)**
  - 40°C: 102%
  - 25°C: 100%
  - 0°C: 85%
  - -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**: -15°C - 50°C (5°F - 122°F)
- **Float charging voltage (25°C)**: 13.65 to 13.80V
- **Cyclic charging voltage (25°C)**: 14.50 to 14.90V
- **Terminal material**: Copper

**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**

[Graph showing Open Circuit Voltage (V) against Time (h)]

**Charging Characteristics (25°C)**

[Graph showing charging current and voltage against time]

**Cycle Life (25°C)**

[Graph showing capacity (%) against number of cycles (cycles)]

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

<table>
<thead>
<tr>
<th>F.V./TIME</th>
<th>5min</th>
<th>10min</th>
<th>15min</th>
<th>30min</th>
<th>1h</th>
<th>3h</th>
<th>5h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.60V</td>
<td>370</td>
<td>250</td>
<td>210</td>
<td>130</td>
<td>78.0</td>
<td>31.0</td>
<td>21.9</td>
<td>12.2</td>
<td>6.35</td>
</tr>
<tr>
<td>10.2V</td>
<td>352</td>
<td>238</td>
<td>202</td>
<td>125</td>
<td>74.9</td>
<td>30.5</td>
<td>21.5</td>
<td>12.1</td>
<td>6.35</td>
</tr>
<tr>
<td>10.8V</td>
<td>331</td>
<td>224</td>
<td>192</td>
<td>119</td>
<td>71.2</td>
<td>29.9</td>
<td>21.2</td>
<td>12.0</td>
<td>6.20</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>F.V./TIME</th>
<th>5min</th>
<th>10min</th>
<th>15min</th>
<th>30min</th>
<th>1h</th>
<th>3h</th>
<th>5h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.60V</td>
<td>3885</td>
<td>2700</td>
<td>2306</td>
<td>1459</td>
<td>889</td>
<td>365</td>
<td>259</td>
<td>145</td>
<td>76.2</td>
</tr>
<tr>
<td>10.2V</td>
<td>3696</td>
<td>2570</td>
<td>2218</td>
<td>1403</td>
<td>854</td>
<td>359</td>
<td>255</td>
<td>144</td>
<td>76.2</td>
</tr>
<tr>
<td>10.8V</td>
<td>3476</td>
<td>2419</td>
<td>2108</td>
<td>1335</td>
<td>812</td>
<td>352</td>
<td>251</td>
<td>144</td>
<td>74.4</td>
</tr>
</tbody>
</table>

Valid from 07-2010