AT OGiV 1245 L
(12V 4.5Ah Battery)

Floating Life at 20°C designed for 12 years

Dimensions and Residual Capacity (25°C)

The Relationship for Open Circuit Voltage

Charging Characteristics (25°C)

Cycle Life (25°C)

Specifications

Nominal Voltage 12V
Capacity (20hr@25°C@1.8V/C) 4.5Ah
Length 195mm (7.68inch)
Width 47mm (1.85inch)

Dimensions

Height 70mm (2.76inch)
Total Height 76mm (2.99inch)

Approx. Weight 1.87kg (4.12lbs)
Maximum charging current 1.2A
Maximum discharge current 60A (5sec.)

Internal resistance
(Fully charged, 25°C) Approx. 45m4

40°C 102%
Capacity affected by 25°C 100%
temperature (20hr) 0°C 85%
-15°C 65%

Self-discharge
Capacity: 82%

3 month Remaining Capacity: 91%
6 month Remaining Capacity: 65%
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

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

<table>
<thead>
<tr>
<th>F.V./TIME</th>
<th>10min</th>
<th>15min</th>
<th>30min</th>
<th>1h</th>
<th>3h</th>
<th>5h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.60V</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2.93</td>
<td>1.14</td>
<td>0.78</td>
<td>0.51</td>
<td>0.42</td>
<td>0.228</td>
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<tr>
<td>10.20V</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2.81</td>
<td>1.13</td>
<td>0.77</td>
<td>0.50</td>
<td>0.42</td>
<td>0.227</td>
</tr>
<tr>
<td>10.80V</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2.67</td>
<td>1.08</td>
<td>0.73</td>
<td>0.48</td>
<td>0.41</td>
<td>0.225</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>F.V./TIME</th>
<th>10min</th>
<th>15min</th>
<th>30min</th>
<th>1h</th>
<th>3h</th>
<th>5h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.60V</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>33.85</td>
<td>13.55</td>
<td>9.25</td>
<td>6.06</td>
<td>5.05</td>
<td>2.74</td>
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<tr>
<td>10.20V</td>
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<td>--</td>
<td>--</td>
<td>32.50</td>
<td>13.35</td>
<td>9.15</td>
<td>5.98</td>
<td>5.00</td>
<td>2.73</td>
</tr>
<tr>
<td>10.80V</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>30.90</td>
<td>12.85</td>
<td>8.75</td>
<td>5.76</td>
<td>4.97</td>
<td>2.70</td>
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</tbody>
</table>

Valid from 03-2011