**WP1.2-12 12Volt 1.2Ah**

### Specifications

<table>
<thead>
<tr>
<th>Nominal Voltage(V)</th>
<th>12V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nominal Capacity</strong></td>
<td></td>
</tr>
<tr>
<td>20 hour rate</td>
<td>0.06A to 10.50V</td>
</tr>
<tr>
<td>10 hour rate</td>
<td>0.114A to 10.50V</td>
</tr>
<tr>
<td>5 hour rate</td>
<td>0.204A to 10.20V</td>
</tr>
<tr>
<td>1 C</td>
<td>1.2A to 9.60V</td>
</tr>
<tr>
<td>3 C</td>
<td>3.6A to 9.60V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. 564g (1.24Lbs.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Internal Resistance (at 1KHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. 75.4 mΩ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Discharge Current for 5 seconds:</th>
</tr>
</thead>
<tbody>
<tr>
<td>18A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Charging Methods at 25°C (77°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cycle use:</strong></td>
</tr>
<tr>
<td>Charging Voltage</td>
</tr>
<tr>
<td>Coefficient</td>
</tr>
<tr>
<td>Maximum Charging Current</td>
</tr>
<tr>
<td><strong>Standby use:</strong></td>
</tr>
<tr>
<td>Float Charging Voltage</td>
</tr>
<tr>
<td>Coefficient</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge</td>
</tr>
<tr>
<td>Discharge</td>
</tr>
<tr>
<td>Storage</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Charge Retention (shelf life) at 20°C (68°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 month</td>
</tr>
<tr>
<td>3 month</td>
</tr>
<tr>
<td>6 month</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Case Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABS UL94 HB</td>
</tr>
<tr>
<td>Option: Flammability resistance of (UL94 V-0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1 or F2 (Faston Tab 187 or 250)</td>
</tr>
</tbody>
</table>

### Dimensions

**mm (inch)**

![Dimensions Diagram](chart.png)

**Discharge Time VS. Discharge Current (25°C)**

![Discharge Time Graph](chart.png)
- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

<table>
<thead>
<tr>
<th>Time</th>
<th>End Voltage</th>
<th>1.85V</th>
<th>1.80V</th>
<th>1.75V</th>
<th>1.70V</th>
<th>1.67V</th>
<th>1.65V</th>
<th>1.60V</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 min</td>
<td></td>
<td>7.18</td>
<td>7.82</td>
<td>8.27</td>
<td>8.65</td>
<td>8.80</td>
<td>8.98</td>
<td>9.28</td>
</tr>
<tr>
<td>10 min</td>
<td></td>
<td>4.62</td>
<td>5.00</td>
<td>5.30</td>
<td>5.52</td>
<td>5.58</td>
<td>5.67</td>
<td>5.77</td>
</tr>
<tr>
<td>15 min</td>
<td></td>
<td>3.65</td>
<td>3.87</td>
<td>4.05</td>
<td>4.20</td>
<td>4.25</td>
<td>4.32</td>
<td>4.38</td>
</tr>
<tr>
<td>30 min</td>
<td></td>
<td>2.15</td>
<td>2.25</td>
<td>2.32</td>
<td>2.37</td>
<td>2.38</td>
<td>2.42</td>
<td>2.45</td>
</tr>
<tr>
<td>60 min</td>
<td></td>
<td>1.32</td>
<td>1.39</td>
<td>1.43</td>
<td>1.47</td>
<td>1.48</td>
<td>1.50</td>
<td>1.52</td>
</tr>
<tr>
<td>120 min</td>
<td></td>
<td>0.747</td>
<td>0.808</td>
<td>0.847</td>
<td>0.875</td>
<td>0.887</td>
<td>0.900</td>
<td>0.915</td>
</tr>
<tr>
<td>180 min</td>
<td></td>
<td>0.533</td>
<td>0.573</td>
<td>0.602</td>
<td>0.623</td>
<td>0.633</td>
<td>0.645</td>
<td>0.657</td>
</tr>
<tr>
<td>240 min</td>
<td></td>
<td>0.435</td>
<td>0.470</td>
<td>0.495</td>
<td>0.513</td>
<td>0.520</td>
<td>0.528</td>
<td>0.537</td>
</tr>
<tr>
<td>300 min</td>
<td></td>
<td>0.420</td>
<td>0.442</td>
<td>0.457</td>
<td>0.468</td>
<td>0.472</td>
<td>0.477</td>
<td>0.482</td>
</tr>
<tr>
<td>600 min</td>
<td></td>
<td>0.220</td>
<td>0.233</td>
<td>0.243</td>
<td>0.250</td>
<td>0.252</td>
<td>0.255</td>
<td>0.258</td>
</tr>
<tr>
<td>1200 min</td>
<td></td>
<td>0.123</td>
<td>0.126</td>
<td>0.129</td>
<td>0.130</td>
<td>0.131</td>
<td>0.131</td>
<td>0.132</td>
</tr>
</tbody>
</table>

Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

<table>
<thead>
<tr>
<th>Time</th>
<th>End Voltage</th>
<th>1.85V</th>
<th>1.80V</th>
<th>1.75V</th>
<th>1.70V</th>
<th>1.67V</th>
<th>1.65V</th>
<th>1.60V</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 min</td>
<td></td>
<td>3.49</td>
<td>4.11</td>
<td>4.57</td>
<td>4.94</td>
<td>5.09</td>
<td>5.26</td>
<td>5.51</td>
</tr>
<tr>
<td>10 min</td>
<td></td>
<td>2.12</td>
<td>2.43</td>
<td>2.63</td>
<td>2.81</td>
<td>2.88</td>
<td>2.96</td>
<td>3.11</td>
</tr>
<tr>
<td>15 min</td>
<td></td>
<td>1.71</td>
<td>1.95</td>
<td>2.09</td>
<td>2.20</td>
<td>2.24</td>
<td>2.29</td>
<td>2.35</td>
</tr>
<tr>
<td>30 min</td>
<td></td>
<td>0.931</td>
<td>1.06</td>
<td>1.17</td>
<td>1.24</td>
<td>1.26</td>
<td>1.29</td>
<td>1.32</td>
</tr>
<tr>
<td>60 min</td>
<td></td>
<td>0.880</td>
<td>0.716</td>
<td>0.735</td>
<td>0.759</td>
<td>0.765</td>
<td>0.772</td>
<td>0.779</td>
</tr>
<tr>
<td>120 min</td>
<td></td>
<td>0.392</td>
<td>0.416</td>
<td>0.429</td>
<td>0.440</td>
<td>0.444</td>
<td>0.449</td>
<td>0.456</td>
</tr>
<tr>
<td>180 min</td>
<td></td>
<td>0.272</td>
<td>0.291</td>
<td>0.302</td>
<td>0.311</td>
<td>0.314</td>
<td>0.318</td>
<td>0.324</td>
</tr>
<tr>
<td>240 min</td>
<td></td>
<td>0.223</td>
<td>0.238</td>
<td>0.247</td>
<td>0.254</td>
<td>0.257</td>
<td>0.260</td>
<td>0.264</td>
</tr>
<tr>
<td>300 min</td>
<td></td>
<td>0.207</td>
<td>0.219</td>
<td>0.226</td>
<td>0.231</td>
<td>0.233</td>
<td>0.236</td>
<td>0.238</td>
</tr>
<tr>
<td>600 min</td>
<td></td>
<td>0.112</td>
<td>0.117</td>
<td>0.121</td>
<td>0.124</td>
<td>0.125</td>
<td>0.126</td>
<td>0.127</td>
</tr>
<tr>
<td>1200 min</td>
<td></td>
<td>0.0615</td>
<td>0.0624</td>
<td>0.0631</td>
<td>0.0637</td>
<td>0.0639</td>
<td>0.0642</td>
<td>0.0646</td>
</tr>
</tbody>
</table>

All data on the spec. sheet is an average value:
The tolerance range: X<6min(+15%~15%), 6min ≤ X<10min(+12%~12%), 10min ≤ X < 60min(+8%~8%), X ≥ 60min(+5%~5%)