**Specification**

<table>
<thead>
<tr>
<th>Nominal Voltage</th>
<th>12V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Capacity (100HR)</td>
<td>130.0AH</td>
</tr>
</tbody>
</table>

**Dimension**

| Length | 330±22mm (12.99 inches) |
| Width | 173±2mm (6.81 inches) |
| Container Height | 212±2mm (8.35 inches) |
| Total Height (with Terminal) | 220±2mm (8.66 inches) |

**Approx Weight**

| Terminal | T11 |

**Container Material**

| ABS |

**Rated Capacity**

| 130.0A/1.3A | (100hr, 1.80V/cell, 25°C/77°F) |
| 117.0A/5.85A | (20hr, 1.80V/cell, 25°C/77°F) |
| 104.0A/10.4A | (10hr, 1.80V/cell, 25°C/77°F) |
| 87.0A/17.4A | (5hr, 1.75V/cell, 25°C/77°F) |
| 60.8A/60.8A | (1hr, 1.60V/cell, 25°C/77°F) |

**Max. Discharge Current**

| 1080A (5s) |

**Internal Resistance**

| Approx 5mΩ |

**Operating Temp. Range**

| Nominal Operating Temp. Range | 25±3°C (77±5°F) |

**Cycle Use**

| Initial Charging Current less than 27.0A, Voltage 14.4V±15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C |

**Standby Use**

| No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C |

**Capacity affected by Temperature**

| 40°C (104°F) | 103% |
| 25°C (77°F) | 100% |
| 0°C (32°F) | 86% |

**Self Discharge**

Leoch LPS series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

**Applications**

- Solar power stations
- Telecommunications installations
- Measurement stations
- Pump systems
- Signal station
- Survey and Mapping system
- Emergency lighting
- Railway crossing
- Traffic lights
- Street lighting
- Lawn lamp
- Street signs
- SOS pillars
- Alarm installations
- Weekend cottage camping
- Caravans
- Boats or buoys

**Constant Current Discharge (Amperes) at 25°C (77°F)**

<table>
<thead>
<tr>
<th>F.V/Time</th>
<th>15min</th>
<th>20min</th>
<th>30min</th>
<th>45min</th>
<th>1h</th>
<th>2h</th>
<th>3h</th>
<th>4h</th>
<th>5h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
<th>48h</th>
<th>100h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.85V/cell</td>
<td>113.8</td>
<td>94.5</td>
<td>73.4</td>
<td>58.1</td>
<td>47.0</td>
<td>30.7</td>
<td>23.1</td>
<td>19.0</td>
<td>16.0</td>
<td>11.2</td>
<td>8.98</td>
<td>7.57</td>
<td>2.29</td>
<td>1.28</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>126.1</td>
<td>103.9</td>
<td>79.2</td>
<td>61.7</td>
<td>49.6</td>
<td>32.6</td>
<td>24.4</td>
<td>19.9</td>
<td>16.8</td>
<td>11.7</td>
<td>10.4</td>
<td>5.85</td>
<td>2.33</td>
<td>1.30</td>
</tr>
<tr>
<td>1.75V/cell</td>
<td>139.9</td>
<td>113.9</td>
<td>85.2</td>
<td>66.0</td>
<td>53.5</td>
<td>34.2</td>
<td>25.8</td>
<td>20.7</td>
<td>17.5</td>
<td>12.1</td>
<td>10.6</td>
<td>5.93</td>
<td>2.36</td>
<td>1.31</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>152.8</td>
<td>124.4</td>
<td>93.6</td>
<td>68.9</td>
<td>56.5</td>
<td>36.0</td>
<td>27.0</td>
<td>21.6</td>
<td>18.2</td>
<td>12.5</td>
<td>10.9</td>
<td>6.03</td>
<td>2.39</td>
<td>1.33</td>
</tr>
<tr>
<td>1.65V/cell</td>
<td>161.8</td>
<td>131.2</td>
<td>98.6</td>
<td>73.2</td>
<td>58.5</td>
<td>37.3</td>
<td>28.0</td>
<td>22.4</td>
<td>18.8</td>
<td>12.9</td>
<td>11.2</td>
<td>6.11</td>
<td>2.44</td>
<td>1.34</td>
</tr>
<tr>
<td>1.60V/cell</td>
<td>177.4</td>
<td>142.5</td>
<td>104.8</td>
<td>75.9</td>
<td>60.8</td>
<td>38.8</td>
<td>28.9</td>
<td>23.1</td>
<td>19.5</td>
<td>13.2</td>
<td>11.4</td>
<td>6.19</td>
<td>2.48</td>
<td>1.35</td>
</tr>
</tbody>
</table>

**Constant Power Discharge (Watts/cell) at 25°C (77°F)**

<table>
<thead>
<tr>
<th>F.V/Time</th>
<th>15min</th>
<th>20min</th>
<th>30min</th>
<th>45min</th>
<th>1h</th>
<th>2h</th>
<th>3h</th>
<th>4h</th>
<th>5h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
<th>48h</th>
<th>100h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.85V/cell</td>
<td>213.4</td>
<td>179.1</td>
<td>140.6</td>
<td>112.3</td>
<td>91.5</td>
<td>59.8</td>
<td>45.3</td>
<td>37.2</td>
<td>31.6</td>
<td>22.2</td>
<td>19.1</td>
<td>10.1</td>
<td>4.58</td>
<td>2.31</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>233.4</td>
<td>194.1</td>
<td>149.4</td>
<td>117.8</td>
<td>95.7</td>
<td>63.2</td>
<td>47.5</td>
<td>38.8</td>
<td>33.0</td>
<td>23.2</td>
<td>19.9</td>
<td>10.4</td>
<td>4.64</td>
<td>2.35</td>
</tr>
<tr>
<td>1.75V/cell</td>
<td>255.8</td>
<td>210.6</td>
<td>159.4</td>
<td>125.3</td>
<td>102.7</td>
<td>66.0</td>
<td>50.0</td>
<td>40.4</td>
<td>34.1</td>
<td>23.9</td>
<td>20.3</td>
<td>10.6</td>
<td>4.71</td>
<td>2.36</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>275.6</td>
<td>228.3</td>
<td>174.2</td>
<td>130.4</td>
<td>108.1</td>
<td>69.4</td>
<td>52.3</td>
<td>42.0</td>
<td>35.4</td>
<td>24.7</td>
<td>20.9</td>
<td>10.8</td>
<td>4.76</td>
<td>2.39</td>
</tr>
<tr>
<td>1.65V/cell</td>
<td>290.7</td>
<td>240.0</td>
<td>182.7</td>
<td>137.9</td>
<td>111.5</td>
<td>71.5</td>
<td>54.1</td>
<td>43.4</td>
<td>36.6</td>
<td>25.3</td>
<td>21.3</td>
<td>11.1</td>
<td>4.84</td>
<td>2.42</td>
</tr>
<tr>
<td>1.60V/cell</td>
<td>312.2</td>
<td>256.8</td>
<td>192.1</td>
<td>141.5</td>
<td>114.8</td>
<td>74.0</td>
<td>55.6</td>
<td>44.5</td>
<td>37.7</td>
<td>25.9</td>
<td>21.8</td>
<td>11.3</td>
<td>4.91</td>
<td>2.44</td>
</tr>
</tbody>
</table>

Specifications subject to change without notice.
Dimensions

- **T11 Terminal**
  - Unit: mm [inches]
  - M8 (0.315)
  - M6 (0.276)
  - M4 (0.173)
  - M2.5 (0.10"

Discharge Characteristics

- **Discharge Time**
- **Battery Terminal Voltage (V)**
- **Temperature: 25°C**

Effect of Temperature on Long Term Float Life

- **Charging voltage 2.25V/cell**

Cycle Service Life

- **Extracted Capacity (%)**
- **Number of Cycles**

Self-Discharge at Different Temperatures

- **Charge Mode**
  - With switch regulator (two-step controller) charge on curve max. charge voltage for max. 2 hrs/day then switch over to continuous charge
  - Standard charge without switching
  - Boost charge (Equalizing charge with external generator) charge on curve continuous charge for max. 5 hrs/month then switch over to curve Standard charge

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