**Specifications**

**Rated Voltage**
2V

**Nominal Capacity**
200.0Ah (C₁₀, 1.80V/cell)

**Dimension**
- Length: 1702mm (6.69 inches)
- Width: 1102mm (4.33 inches)
- Container Height: 3263mm (12.91 inches)
- Total Height: 3503mm (13.78 inches)

**Approx Weight**
13.7 Kg (30.2 lbs)

**Terminal**
M8

**Container Material**
ABS or PP

**Rated Capacity (25°C)**
- 214.0 Ah (20hr, 10.7A, 1.80V/cell)
- 200.0 Ah (10hr, 20.0A, 1.80V/cell)
- 177.5 Ah (5hr, 35.5A, 1.75V/cell)
- 154.5 Ah (3hr, 51.5A, 1.75V/cell)
- 120.1 Ah (1hr, 120.1A, 1.60V/cell)

**Max. Discharge Current**
1600A (5s)

**Internal Resistance (25°C)**
Approx. 1.0mΩ

**Operating Temp.Range**
- Discharge: -15 ~ 50°C (5 ~ 122°F)
- Charge: 0 ~ 40°C (32 ~ 104°F)
- Storage: -15 ~ 40°C (5 ~ 104°F)

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

**Cycle Use**
Initial Charging Current less than 60.0A, Voltage 2.4V~2.5V at 25°C(77°F) Temp. Coefficient -0.5mV°C

**Standby Use**
Initial Charging Current less than 60.0A, Voltage 2.25V~2.30V at 25°C(77°F) Temp. Coefficient -0.3mV°C

**Effect of temp. to Capacity**
- 40°C (104°F): 103%
- 25°C (77°F): 100%
- 0°C (32°F): 86%

**Self Discharge**
LPL 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.

---

**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>6h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.85V/cell</td>
<td>201.2</td>
<td>181.2</td>
<td>150.1</td>
<td>120.3</td>
<td>100.3</td>
<td>62.2</td>
<td>47.5</td>
<td>38.8</td>
<td>33.0</td>
<td>28.9</td>
<td>23.1</td>
<td>19.3</td>
<td>10.3</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>228.7</td>
<td>201.8</td>
<td>161.0</td>
<td>126.6</td>
<td>104.9</td>
<td>65.0</td>
<td>49.8</td>
<td>40.5</td>
<td>34.4</td>
<td>30.2</td>
<td>24.1</td>
<td>20.0</td>
<td>10.7</td>
</tr>
<tr>
<td>1.75V/cell</td>
<td>251.2</td>
<td>217.5</td>
<td>170.5</td>
<td>133.1</td>
<td>109.5</td>
<td>67.6</td>
<td>51.5</td>
<td>41.9</td>
<td>35.5</td>
<td>30.9</td>
<td>24.6</td>
<td>20.3</td>
<td>10.7</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>268.2</td>
<td>232.8</td>
<td>178.9</td>
<td>138.1</td>
<td>113.3</td>
<td>70.3</td>
<td>53.1</td>
<td>42.8</td>
<td>36.1</td>
<td>31.4</td>
<td>25.0</td>
<td>20.5</td>
<td>10.8</td>
</tr>
<tr>
<td>1.65V/cell</td>
<td>282.6</td>
<td>244.2</td>
<td>187.7</td>
<td>144.1</td>
<td>117.4</td>
<td>72.6</td>
<td>54.3</td>
<td>43.8</td>
<td>36.9</td>
<td>32.0</td>
<td>25.4</td>
<td>20.7</td>
<td>11.0</td>
</tr>
<tr>
<td>1.60V/cell</td>
<td>296.3</td>
<td>253.2</td>
<td>194.1</td>
<td>148.0</td>
<td>120.1</td>
<td>74.0</td>
<td>55.2</td>
<td>44.4</td>
<td>37.4</td>
<td>32.4</td>
<td>25.8</td>
<td>21.0</td>
<td>11.0</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>6h</th>
<th>8h</th>
<th>10h</th>
<th>20h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.85V/cell</td>
<td>381.0</td>
<td>344.7</td>
<td>286.8</td>
<td>231.3</td>
<td>194.0</td>
<td>121.0</td>
<td>92.8</td>
<td>76.1</td>
<td>65.1</td>
<td>57.0</td>
<td>45.8</td>
<td>38.3</td>
<td>20.5</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>427.4</td>
<td>379.7</td>
<td>306.3</td>
<td>241.8</td>
<td>201.8</td>
<td>125.8</td>
<td>96.9</td>
<td>79.3</td>
<td>67.5</td>
<td>59.4</td>
<td>47.7</td>
<td>39.7</td>
<td>21.2</td>
</tr>
<tr>
<td>1.75V/cell</td>
<td>462.9</td>
<td>404.7</td>
<td>320.6</td>
<td>252.7</td>
<td>209.6</td>
<td>130.3</td>
<td>99.8</td>
<td>81.7</td>
<td>69.4</td>
<td>60.6</td>
<td>48.5</td>
<td>40.2</td>
<td>21.3</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>489.1</td>
<td>429.3</td>
<td>333.8</td>
<td>260.4</td>
<td>215.8</td>
<td>135.0</td>
<td>102.6</td>
<td>83.1</td>
<td>70.4</td>
<td>61.5</td>
<td>49.3</td>
<td>40.6</td>
<td>21.5</td>
</tr>
<tr>
<td>1.65V/cell</td>
<td>509.0</td>
<td>445.6</td>
<td>347.5</td>
<td>270.3</td>
<td>222.3</td>
<td>138.8</td>
<td>104.4</td>
<td>84.6</td>
<td>71.6</td>
<td>62.4</td>
<td>49.9</td>
<td>41.0</td>
<td>21.7</td>
</tr>
<tr>
<td>1.60V/cell</td>
<td>524.8</td>
<td>456.8</td>
<td>355.8</td>
<td>274.9</td>
<td>226.0</td>
<td>140.6</td>
<td>105.7</td>
<td>85.4</td>
<td>72.4</td>
<td>63.1</td>
<td>50.5</td>
<td>41.6</td>
<td>21.8</td>
</tr>
</tbody>
</table>
LPL Series-Long Life Standby
LPL2-200(2V200Ah)

Applications
- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS- for Telecom)
- EPS

General Features
- 20 years design life
- Grid refining technology and the thicker plates are used to extend the battery standby life and reduce the plate grid corrosion speed
- Using oxygen recombination technology: maintenance-free
- Unique vent valve design: control water losing, prevent air and spark going inside
- Can be operated in upright, side, or end mounting orientation

Discharge Characteristics

![Discharge Characteristics Graph]

Temperature: 25°C

Float Charging Characteristics

![Float Charging Characteristics Graph]

Temperature Effects in Relation to Battery Capacity

![Temperature Effects Graph]

Design Life

![Design Life Graph]

Standards
- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch®ATF16949, OHSAS 18001,ISO 9001 and ISO 14001 certified production facilities

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