Specifications

Rated Voltage
2V

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

Dimension
Length: 90.2mm (3.54 inches)
Width: 181.2mm (7.13 inches)
Container Height: 350.2mm (13.78 inches)
Total Height: 365.2mm (14.37 inches)

Approx Weight
12.3 Kg (27.12 lbs)

Terminal
M8

Container Material
ABS

Rated Capacity (25°C)
212.0Ah (20hr, 10.6A, 1.80V/cell)
200.0Ah (10hr, 20.0A, 1.80V/cell)
175.0Ah (5hr, 35.0A, 1.75V/cell)
156.0Ah (3hr, 52.0A, 1.75V/cell)
122.8Ah (1hr, 122.8A, 1.67V/cell)

Max. Discharge Current
1600A (5s)

Internal Resistance (25°C)
Approx 0.90mΩ

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 0A. Voltage 2.40V~2.50V at 25°C (77°F)
Temp. Coefficient -5mV/°C

Standby Use
Initial Charging Current less than 0A. Voltage 2.40V~2.50V at 25°C (77°F)
Temp. Coefficient -5mV/°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>30min</th>
<th>1h</th>
<th>1.5h</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>128.7</td>
<td>89.3</td>
<td>84.5</td>
<td>61.5</td>
<td>46.8</td>
<td>37.7</td>
<td>31.8</td>
<td>27.6</td>
<td>22.4</td>
<td>18.7</td>
<td>10.0</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>141.2</td>
<td>97.0</td>
<td>87.4</td>
<td>64.3</td>
<td>50.6</td>
<td>40.6</td>
<td>34.2</td>
<td>29.6</td>
<td>24.0</td>
<td>20.0</td>
<td>10.6</td>
</tr>
<tr>
<td>1.75V/cell</td>
<td>164.2</td>
<td>108.5</td>
<td>91.2</td>
<td>67.2</td>
<td>52.0</td>
<td>41.6</td>
<td>35.0</td>
<td>30.2</td>
<td>24.4</td>
<td>20.3</td>
<td>10.7</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>176.7</td>
<td>121.0</td>
<td>94.7</td>
<td>69.4</td>
<td>53.5</td>
<td>42.6</td>
<td>35.8</td>
<td>30.9</td>
<td>24.9</td>
<td>20.6</td>
<td>10.9</td>
</tr>
<tr>
<td>1.67V/cell</td>
<td>181.8</td>
<td>122.8</td>
<td>95.6</td>
<td>70.2</td>
<td>54.3</td>
<td>43.2</td>
<td>36.2</td>
<td>31.2</td>
<td>25.1</td>
<td>20.8</td>
<td>11.0</td>
</tr>
<tr>
<td>1.60V/cell</td>
<td>183.9</td>
<td>128.7</td>
<td>98.9</td>
<td>72.2</td>
<td>56.4</td>
<td>43.8</td>
<td>36.8</td>
<td>31.7</td>
<td>25.6</td>
<td>21.1</td>
<td>11.1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>F.V./Time</th>
<th>30min</th>
<th>1h</th>
<th>1.5h</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>240.3</td>
<td>189.2</td>
<td>154.2</td>
<td>115.4</td>
<td>91.8</td>
<td>74.0</td>
<td>62.5</td>
<td>54.4</td>
<td>44.3</td>
<td>37.1</td>
<td>20.0</td>
</tr>
<tr>
<td>1.80V/cell</td>
<td>258.3</td>
<td>198.7</td>
<td>157.1</td>
<td>121.1</td>
<td>98.9</td>
<td>79.5</td>
<td>67.2</td>
<td>58.2</td>
<td>47.3</td>
<td>39.5</td>
<td>21.1</td>
</tr>
<tr>
<td>1.75V/cell</td>
<td>296.2</td>
<td>209.1</td>
<td>163.7</td>
<td>125.8</td>
<td>101.1</td>
<td>81.2</td>
<td>68.5</td>
<td>59.2</td>
<td>48.1</td>
<td>40.1</td>
<td>21.3</td>
</tr>
<tr>
<td>1.70V/cell</td>
<td>315.1</td>
<td>212.4</td>
<td>167.1</td>
<td>128.1</td>
<td>103.6</td>
<td>82.9</td>
<td>69.8</td>
<td>60.4</td>
<td>48.8</td>
<td>40.6</td>
<td>21.6</td>
</tr>
<tr>
<td>1.67V/cell</td>
<td>320.4</td>
<td>214.8</td>
<td>168.6</td>
<td>128.9</td>
<td>104.8</td>
<td>83.9</td>
<td>70.6</td>
<td>61.0</td>
<td>49.3</td>
<td>40.9</td>
<td>21.7</td>
</tr>
<tr>
<td>1.60V/cell</td>
<td>349.4</td>
<td>229.1</td>
<td>173.4</td>
<td>139.2</td>
<td>106.1</td>
<td>86.2</td>
<td>72.4</td>
<td>62.4</td>
<td>50.3</td>
<td>41.9</td>
<td>22.1</td>
</tr>
</tbody>
</table>
LPL Series-Long Life Standby
LPL2-200M(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
• 16 years design life (25°C)
• 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

Discharge Characteristics

Floating Charging Characteristics

Standards
• Compliance with IEC 60896 standards, EU Battery Directive
• UL, CE Certified
• Manufactured in Leoch®IATF16949, OHSAS 18001,ISO 9001 and ISO 14001 certified production facilities

Temperature Effects in Relation to Battery Capacity

Effect of Temperature on Long Term Float Life

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