6Ah Space Cell

High energy, long cycle life and low maintenance lithium-ion cell for demanding applications

Lithium-Ion Cell

Features and Benefits
- Case neutral
- Safety vent feature
- True prismatic design
- Hermetically sealed
- Stainless steel case
- Long life
- Qualified for use in space

Applications
- Aerospace and no-fail applications
- Low-earth orbit (LEO) satellite missions
- Scientific and exploratory satellite missions
- Suitable for CubeSat and small satellite chassis

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>LP 33330</td>
</tr>
<tr>
<td>Weight</td>
<td>222 g</td>
</tr>
<tr>
<td>Dimensions</td>
<td>See details on back</td>
</tr>
<tr>
<td>Voltage Range</td>
<td>3.0 to 4.1V</td>
</tr>
<tr>
<td>Nominal Capacity</td>
<td>6Ah at C/5 charge at 20°C (68°F)</td>
</tr>
<tr>
<td>Energy Density</td>
<td>263 Wh/L</td>
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<tr>
<td>Specific Energy</td>
<td>105 Wh/kg</td>
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<tr>
<td>Discharge Rates</td>
<td>Max constant current 24A</td>
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<tr>
<td></td>
<td>Max pulse current (&lt;1 sec.) 48A</td>
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</tbody>
</table>
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**Diagram:**

- **Negative Terminal**
- **Positive Terminal**
- **Fill Tube**
- **Rupture Disc**

**Dimensions:**

- 3.618 x 2.566 (3.57 Nom)
- 3.082 x 3.046 (3.06 Nom)
- 1.979 x 1.964 (1.96 Nom)
- 0.927 x 0.949 (0.97 Nom)

**Graph:**

- **LIAD7BM-1**
- Voltage (V) vs. Discharge Capacity (Ah)
- Curves for different temperatures:
  - 25°C
  - 35°C
  - 45°C

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