Model LP 30794 Battery

Model LP30794
Advanced, High-Capacity
24 V / 50 Ah, Lithium Ion

Lithium-Ion provides higher energy levels
and longer cycle life, at a lower weight
and smaller volume, with less maintenance
than lead acid, Ni-Cd, or Ni-MH batteries.

Features & Benefits

- Proprietary prismatic cell technology
- Battery management system
- Cell balance charging
- Cell and Battery safety protection
- Zero-maintenance
- Design Life 5 years/10,000 flight hours
- Operates at -40°C without need to heat
- Built-in “plug-and-play” electronics utilize existing
  on-board Ni-Cd charging systems for significant cost and
  logistical savings
- 24V / 50 Ah drop-in replacement for original
  24V / 10Ah Ni-Cd battery of same size and weight
- Significant improvement in low-temperature
  performance, available capacity and battery life over
  original Ni-Cd batteries
- Fully qualified and Nuclear Radiation Hardened
- An available Battery Electronics Test System allows for
  shop-level battery testing, fault isolation, diagnostics,
  maintenance and repair

Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>LP 30794</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Output Voltage</td>
<td>25.2 V</td>
</tr>
<tr>
<td>Continuous Output Current (max)</td>
<td>66 A</td>
</tr>
<tr>
<td>Ampere-hour Capacity</td>
<td>50Ah</td>
</tr>
<tr>
<td>Energy Storage Capacity</td>
<td>1260 Wh</td>
</tr>
<tr>
<td>Not to Exceed Weight</td>
<td>38 lbs</td>
</tr>
<tr>
<td>Volume</td>
<td>11.8&quot;L x 8.2&quot;W x 7.3&quot;H</td>
</tr>
<tr>
<td>Over-all Dimensions</td>
<td>7.18&quot;L x 11.75&quot;W x 7.19&quot;H</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to 65°C</td>
</tr>
<tr>
<td>Cell-level Energy Density</td>
<td>265 Wh / liter</td>
</tr>
<tr>
<td>Cell-level Specific Energy</td>
<td>112.5 Wh / kg</td>
</tr>
<tr>
<td>Cell-level Cycle Life</td>
<td>&gt;2000 Cycles</td>
</tr>
</tbody>
</table>

Applications

- Manned and Unmanned Aircraft
- Terrestrial Applications
- Electric Vehicles
- Underwater Vehicles
- Utility Grid

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Battery 33A Discharge at -40°C

Battery 66A Discharge at 0°C

Battery 34A Discharge at 20°C

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