25 Ah Lithium Ion Polymer Battery
39381 Series

Space Vector fabricates a variety of rugged Li-Ion battery packs suitable for launch vehicles, missiles, spacecraft, UAVs and other applications encountering severe environmental conditions. Our high performance, lightweight 25 Ah Lithium Ion Polymer (Li-Po) secondary (rechargeable) battery is the perfect choice for powering avionics, telemetry, actuators, and ordnance systems.

Features
- High Continuous Discharge Rate of 125 A (5C)
- Rugged Aluminum Housing
- Stackable Configuration
- D38999 Connectors
- Tested to high dynamic environments

Specifications
- Weight: 19 lbs (8.6 kg)
- Dimensions: 12.5” x 9.9” x 3.12” (318 x 251 x 79 mm)
- Mounting: 9.4” x 5.25”, 4 Places, 10-32 Bolts
- Capacity: 25 Ah Typical
- Energy: 590 Wh (1C) at 25°C
- Voltage: 29.6 Vdc nominal (33.6 V to 21.6 V)
- Charge Current: 12.5 A, C/2 standard (50 A max.)
- Charge Temperature: 0°C to 45°C
- Discharge
  - Continuous: Up to 125 Amps
  - Pulse: Up to 200 Amps (≤ 10 seconds)
  - Discharge Temp.: -20°C to +60°C
- Random Vibration: 42.6 Grms (tested)
- Sinusoidal Vibration: 41.1 g’s 550-700 Hz (tested)

Available Configurations
- 3 25 Ah with Heaters

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Batteries Compatible with Charger/Analyzer 500031 series
- Charge and discharge prior to flight
- External SVCharge™ Smart Battery Technology
  - Provides Programmable Protection and Monitoring
  - Cell Balancing during Charging
  - Battery Cycle History
  - Number of charge cycles, max/min cell voltage, current, temperature, and more
  - Standardized data interface provides instant health status and real time telemetry

100A 4C Discharge for 1 minute

<table>
<thead>
<tr>
<th>Time (sec)</th>
<th>Current (A)</th>
<th>Voltage (V)</th>
<th>Temp (°C)</th>
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<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
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<td>24.2</td>
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<tr>
<td>60</td>
<td>0</td>
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