Lithium-Ion FTS Battery  
39611 Smart 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. The 39611 smart series of batteries are used in range approved Flight Termination Systems (FTS) and applications that require high current discharge capability.

**Features**
- **SVCharge™ Smart Battery Management System (BMS)**
  - Completely decoupled during flight
- Digital Interface
  - RS-422/485 Standard Communication or Optional MIL-STD-1553B, Ethernet, CAN Bus provides voltage, current, and temperature data
  - Digital and analog cell Health and Status (H&S) data
- D38999 Connectors
- Rugged Aluminum Housing
- Cells Screened and Batteries Tested per RCC 319-14

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Weight</td>
<td>3.75 lbs</td>
</tr>
<tr>
<td>Dimensions</td>
<td>4.25” H x 3.2” W x 7.4” L</td>
</tr>
<tr>
<td>Capacity</td>
<td>2.5 Ah nom. (2.0 Ah min., 3.0 Ah max.)</td>
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<tr>
<td>Voltage</td>
<td>28.8 V Nominal (33.6 V to 20.0 V)</td>
</tr>
<tr>
<td>Charge Current</td>
<td>1.5 A, C/2 standard (4 A max.)</td>
</tr>
<tr>
<td>Discharge Current</td>
<td>5 A Continuous</td>
</tr>
<tr>
<td>Discharge Temp. Tested</td>
<td>-20°C to +60°C</td>
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</tbody>
</table>

**Configurations**

- Basic
- 1 Heaters for < -20°C op
- 2 3.0 Ah nom.

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Serial Comm J2  
D38999/20FC35SN

Power J1  
D38999/20FE8SN

Batteries and Cells tested to RCC 319-14
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Batteries Compatible with Charger/Analyzer 500611
- Controls up to 5 batteries simultaneously
- Charge and Discharge prior to Flight
- RCC 319 and AFSCM 91-710 compliant

5A 2C Discharge

Mounting
6.46” x 2.26”
#10, 4 Places