**Li-Ion FTS Battery**  
**P/N 39401**

**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 39401 series batteries are used in range approved Flight Termination Systems (FTS) and applications that require high current discharge capability.

**Features**
- Compact and Lightweight
- Digital Interface
  - RS-422 Standard Communication or Optional MIL-STD-1553B, Ethernet, CAN Bus
  - Digital and analog cell Health and Status (H&S) data
- Micro-D Connectors
- Rugged Aluminum Housing
- 23.5 W Cell Heater for low temp. operation < -20°C
- Cells Screened and Batteries Tested per RCC 319-14

**Specifications**
- **Weight:** 1.6 lbs
- **Dimensions:** 3.5” H x 4.1” W x 2.0” D
- **Capacity:** 2.0 Ah nom. (1.5 Ah min., 2.5 Ah max.)  
  2.5 Ah version available (2.0-3.0 Ah)
- **Voltage:** 28.8 V Nominal (33.6 V to 20.0 V)
- **Charge Current:** 1.25 A, C/2 standard (4 A max.)
- **Discharge Current:** 20 A Continuous (100 A Pulse)
- **Operating Temp.:** -20°C to +70°C (-43°C with heaters)
- **Tested** to RCC 319-14 with Charger/Analyzer 500451

**Battery Designed to Operate in High Dynamic Environments**

**Small Form Factor**

**Batteries and Cells tested to RCC 319-14 with Charger/Analyzer 500451**
Li-Ion FTS Battery Performance

Battery Pulse Characteristics At Low Temperature

**Configurations**
- 39401-Bsc Curved Back
- 39401-1 Flat Back
- 39401-3 3 Ah Cells

**Mounting**
- 3.65" x 1.75"
- #10-32, 4 Places
- Flat Back Version 39401-1