



# 20 Ah Lithium Polymer Battery P/N 39381

For over 25 years **Space Vector** has offered a line of rugged battery packs for launch vehicles, spacecraft, UAVs, and other severe environment applications. Our high performance, lightweight 20 Ah Lithium Polymer (Li-Po) secondary (rechargeable) battery is the perfect choice to power avionics, telemetry, and ordnance systems.



*20 Ah Battery*

## **20 Ah Battery Specifications**

Weight:	9.8 lbs (4.4 kg)
Dimensions:	10.60" x 6.59" x 2.62" (269 x 167 x 67 mm)
Mounting:	6.00" x 5.42", 4 Places, ¼" Bolts
Capacity:	20 Amp Hour
Energy:	590 Wh (1C) at 25°C
Voltage:	29.2 Vdc nominal, 33.2 Vdc max. charge
Discharge	
Continuous:	100 Amps
Pulse:	200 Amps (≤ 10 seconds)
Operating Temperature:	-10°C to +55°C
Random Vibration:	20.2 Grms
Sinusoidal Vibration:	41.1 g's 550-700 Hz

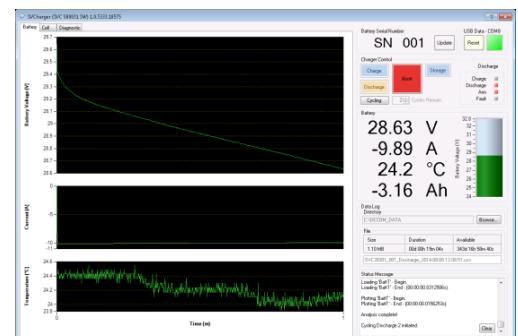
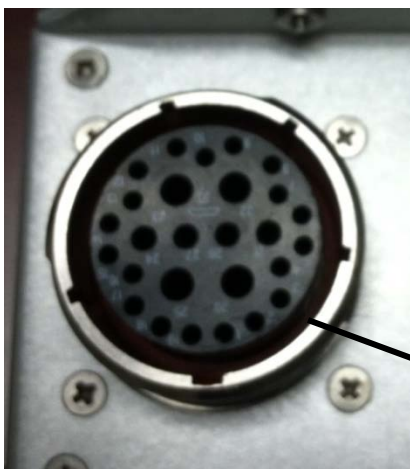


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## Features

- External SVCharge™ Smart Battery Technology
  - Provides Programmable Protection and Monitoring
  - Cell Balancing during Charging
  - Basic Battery with External Battery Management
  - Battery History
    - Number of charge cycles, max/min cell voltage, current, temperature, and more
  - Standardized data interface provides instant health status and real time telemetry
- Connector
  - Single MIL-DTL-38999 Connector
- RS-232 / RS-422 Standard Communication
  - Optional MIL-STD-1553B, ARINC-429, ARINC-464 (Ethernet), CAN Bus
- Rugged Aluminum Housing Allows Stacking of Batteries

Power and Data  
can be on a Single  
Connector



Smart Battery Management  
External to Battery