

# G3190B2

## Lithium Primary Reserve Thermal Battery



EnerSys Advanced Systems Inc.  
Power Sources Center

104 Rock Road, Horsham, PA 19044 USA (215) 674-3800

### GENERAL

- Electrochemistry: Lithium Silicon/Iron Disulfide (LiSi/FeS<sub>2</sub>)
- Storage Life: 20 years
- Configuration: Bipolar cell stack

### PERFORMANCE

- Voltage: 22V to 32V
- Current: 700 mA
- Capacity: 39 mAh
- Activation Time: <0.5 sec
- Run Time: >200 sec

### PHYSICAL CHARACTERISTICS

- Diameter (nominal): 1.50 inches
- Length (nominal): 2.38 inches (w/o terminals)
- Weight (nominal): 8.82 oz (250.0 gm)
- Operating Temperature Range: -65°F to 221°F (-54°C to +105°C)
- Storage Temperature: -65°F to 221°F (-54°C to +105°C)
- Connector: 4 Pins: 2 for Electric Initiation, 2 for Power
- Activation Mechanism: Electric Igniter. All fire: 0.58A, 10ms Pulse. No fire: 0.10A for 2 minutes
- Case & Mounting Flange: Stainless Steel

### ENVIRONMENTAL

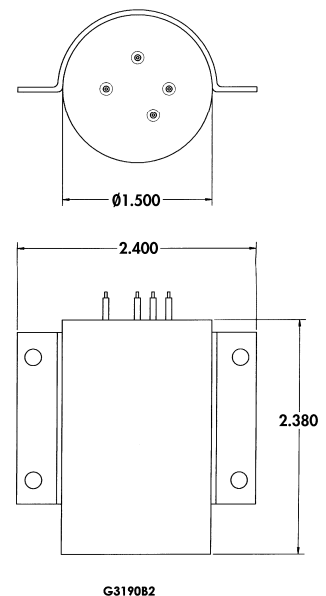
- Designed to meet the requirements of MIL-STD 331
- Designed to meet the requirements of NAVSEA 9310 – U.S. Navy Lithium Battery Safety Testing

### APPLICATIONS

- Smart weapons
- Missiles
- Electronic Fuzing
- Guided Projectiles
- Space Launch



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For more information on EnerSys products visit our website at [www.enersys.com/defense/eas](http://www.enersys.com/defense/eas) or contact us at [aerodefense.sales@enersys.com](mailto:aerodefense.sales@enersys.com). © Copyright 2008 EnerSys. All rights reserved. Trademarks and logos are the property of EnerSys and its affiliates unless otherwise noted. Subject to revisions without prior notice. E.&O.E.

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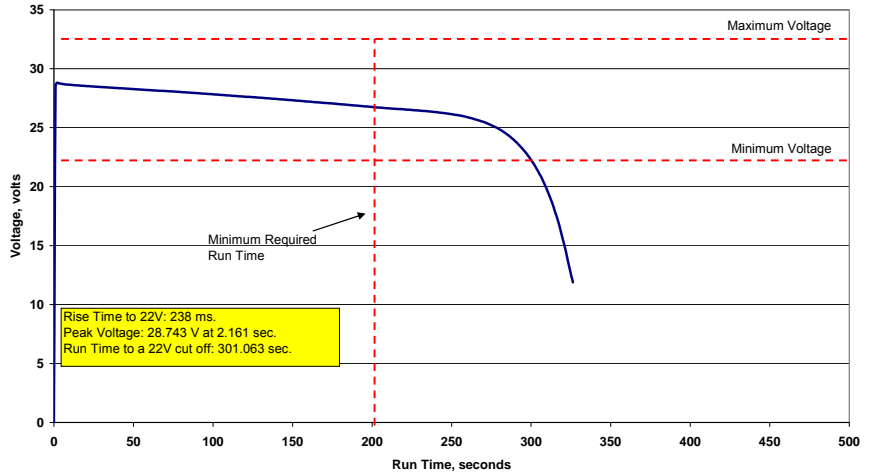
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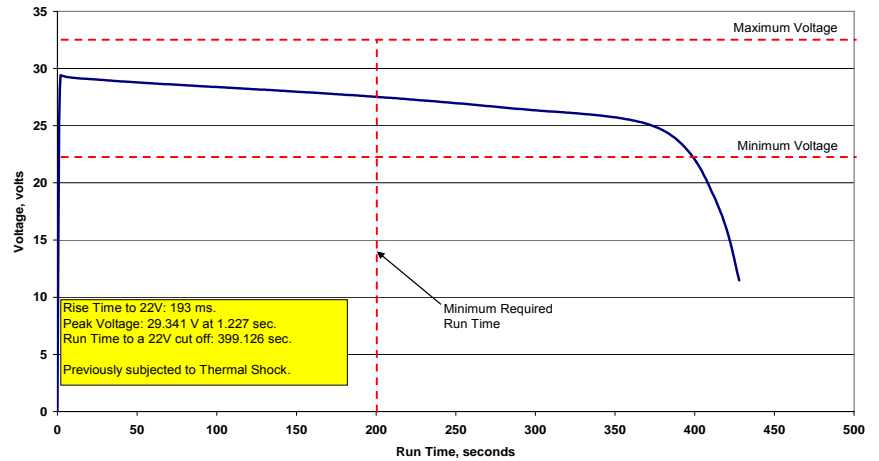
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**Battery discharged at  
-65°F (-54°C) under  
350 mA constant  
current load.**



**Battery discharged at  
+74°F (-23°C) under  
350 mA constant  
current load.**



**Battery discharged at  
+221°F (+105°C)  
under 350 mA  
constant current load.**

