EaglePicher™ Technologies, LLC
An EnerSys Company

SAR-10199 Aerospace Battery

Lithium-Ion – Lithium Cobalt Oxide Rechargeable

Lithium-ion provides higher energy levels and longer cycle life, at a lower weight and smaller volume, with less maintenance than lead acid, Ni-Cd, or Ni-MH batteries.

Specifications

Part Number	SAR-10199
Weight Not to Exceed	77.6 lb/35.2 kg
Nominal Voltage	33.3V
Operating Voltage	27.0V to 35.8V
Beginning of Life Capacity/Energy	100Ah/3330Whr @ 20°C
Maximum Dimensions	10.6"W x 20.0"L x 10.4"H
Specific Energy	94.6 Whr/Kg
Operating Temperature	-5°C to 35°C
Survival Temperature (non-op)	-15°C to 40°C
Charge Current (Max)	50A
Maximum Continuous Discharge	77A
Maximum Discharge Pulse	300A for 1 sec
Random Vibe Levels	14 GRMS
Sine Vibe Levels	15G
Shock Level	1135G

Features & Benefits

- Autonomous cell bypass capability
- Primary and redundant heaters
- Back-up temperature and voltage telemetry
- Built-in cell safety protection
- Current sense capability
- Operational for 15-year mission life (GEO)
- Space flight heritage
- High reliability > 0.99
- Built-in lifting points with detachable lifting fixture
- Designed for radiation total-dose exposure of 3.11E6 rads
- Connector savers for spacecraft integration and test bracket
- Custom connectors are keyed and clocked per customer specification; MIL-DTL-38999 and/or NASA-S-311-P-768 connectors available upon request
- Subjected to vibratory and thermal-vaccum testing

Applications

- Military communications and surveillance
- Commercial communication and broadcasting
- NASA research
- Environmental monitoring
- Global navigation and tracking

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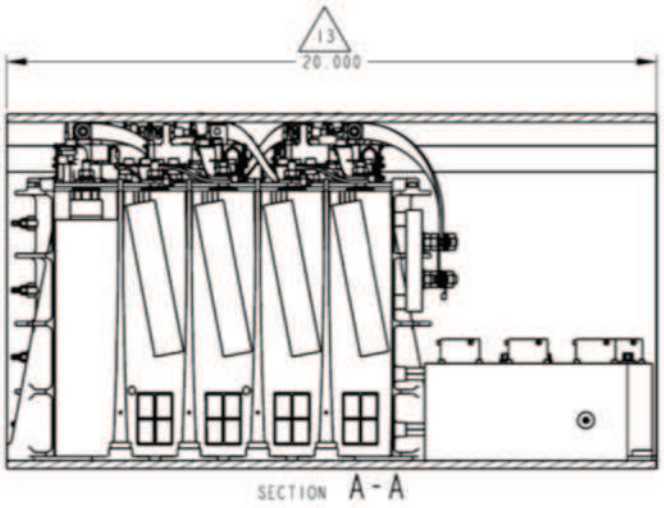
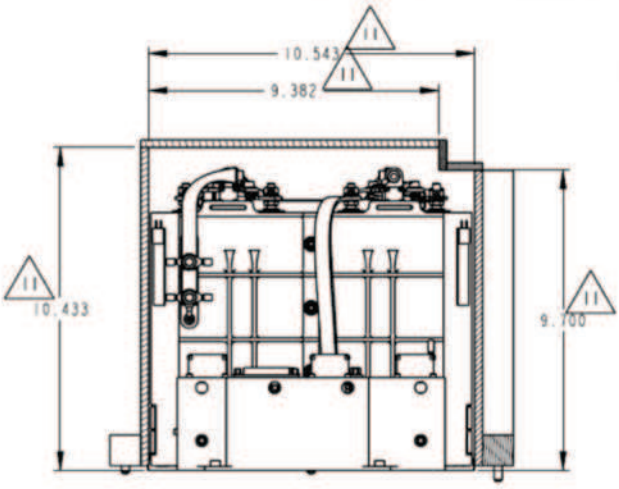
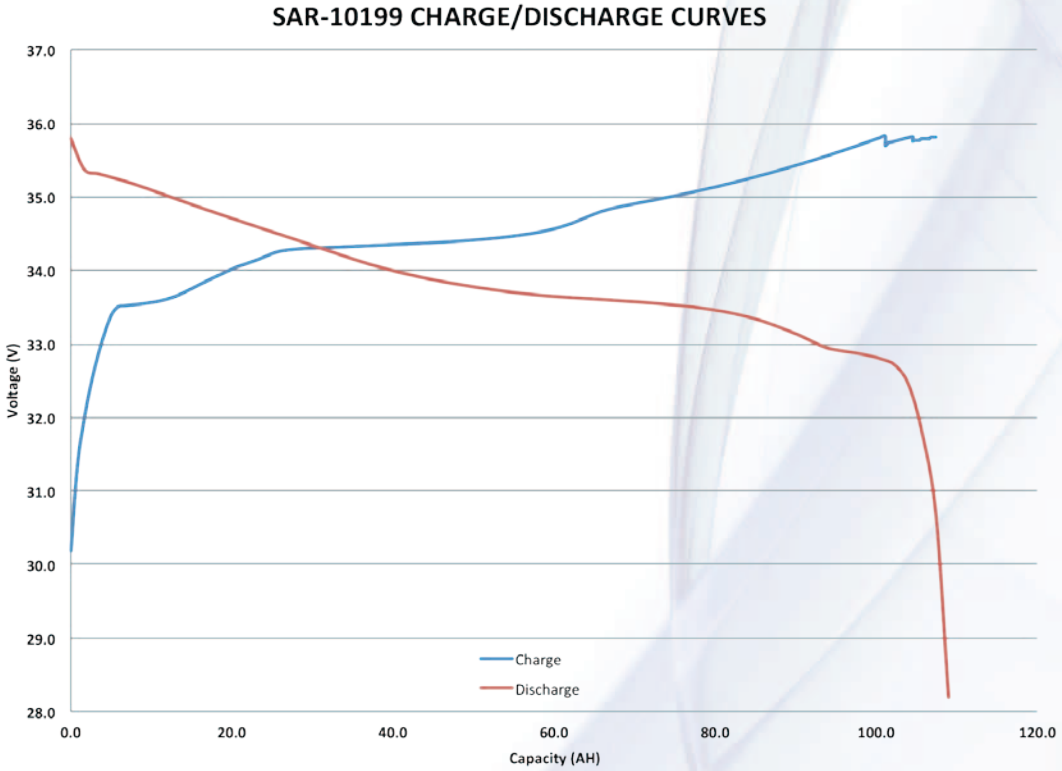
SAR-10199







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