BT-70939xx Series

High Energy 24 V 6T Lithium-Ion Battery

Batteries Rechargeable

- High Output Energy, up to 3.2kWh
- High Output, Power Version exceeds MIL-PRF-32143B Cranking Requirements
- Wide temperature range - 40°C to + 60°C operation
- Mechanical form fit drop-in replacement
- Designed to interface with MIL-STD-1275 compliant vehicle charging systems

Features

- Energy Capacity from 2.2kWh to 3.2kWh
- Cold cranking current up to 1100A @ - 18°C, 400A @ - 40°C with no pre-heat required with Power Version
- Electronically Protected
- Light Weight
- Long Cycle Life
- CAN Bus Communication (Daisy Chain Capable)
- SAE post terminals available

Typical Applications

- Tactical/Combat Vehicles
- Unmanned Vehicles
- Silent Watch
- Weapon Systems
- Robotics
- Hybrid Power Systems

Current Configurations

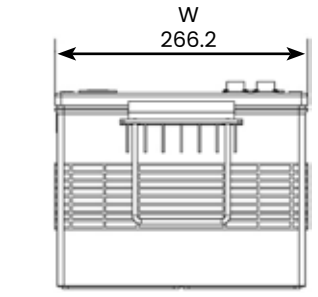
Application	Nominal Amp Hour Capacity	Nominal Energy Capacity	Bren-Tronics Part Number
Power	87 Ah	2.2 kWh	BT-70939AM
Power	103 Ah	2.7 kWh	BT-70939AP
Energy	126 Ah	3.2 kWh	BT-70939CU

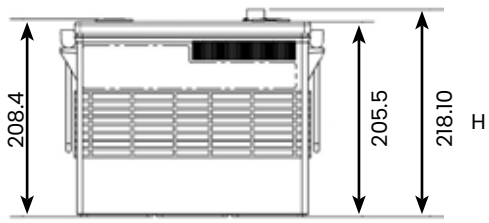
Technical Specifications

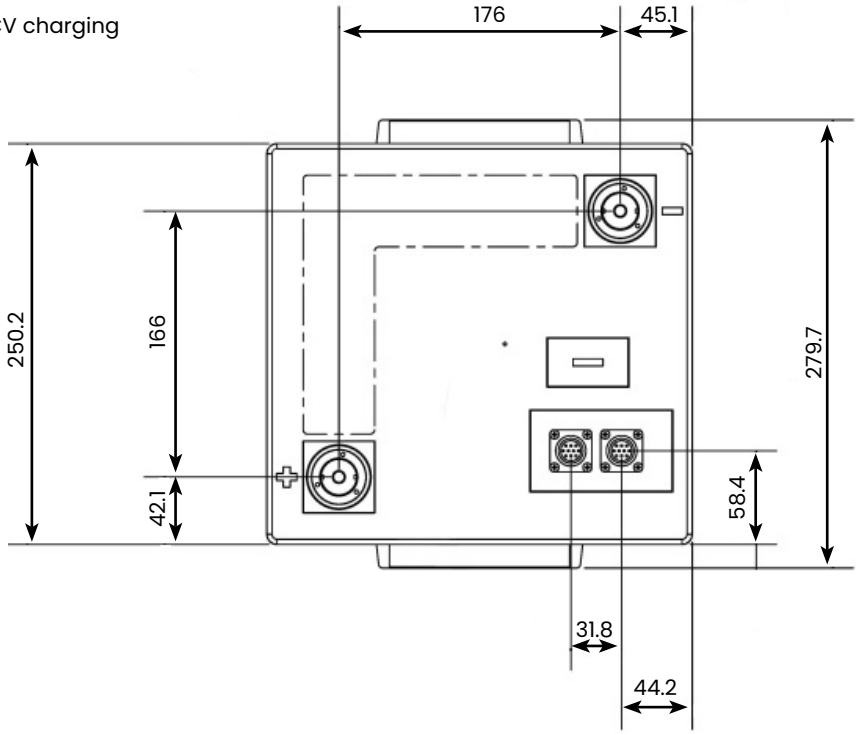
Bren-Tronics Part Number	BT-70939AM or BT-70939AMH*	BT-70939AP or BT-70939APH*	BT-70939CU or BT-70939CUH*
Maximum Discharge Current	300 A Continuous	300 A Continuous	252 A Continuous
Maximum Charge Current	300 A Continuous	300 A Continuous	126 A Continuous
Peak Current	1100A Peak (- 18°C, 30sec) 400A Peak (- 40°C, 30sec)	1100A Peak (-18°C, 30sec) 400A Peak (-40°C, 30sec)	N/A
Nominal Capacity	87 Ah (2.2 kWh)	103Ah (2.7kWh)	126Ah (3.2kWh)
Nominal Voltage	25.2 V		
State of Charge Indicator	5 Segment LCD		
Charge Operating Temperature	- 20°C to + 60°C *- 40°C to + 60°C for versions with H suffix		
Discharge Operating Temperature	- 40°C to + 60°C Pre-Heating Not Required		
Storage Temperature	- 46°C to + 71°C		
Terminals	8 mm Female Threaded Contacts. Optional SAE Posts (BTK-70939-TR Post Kit)		
Dimensions (see diagrams below) • **Length** • **Width** • **Height**	 250 mm (without handles) 267 mm 230 mm (indlucing SAE Posts)		
Weight	19.1 kg		
Disposal	Check local regulations (contains 0% Mercury or Cadmium)		

Recommended Charging Platforms

- Power Versions (AM, AP) are designed to interface with MIL-STD-1275 compliant vehicle charging systems
- Energy Version (CU) is designed to accept CC/CV charging







September 2018

Partnered Supplier

Bren-Tronics, Inc.
Intelligent Military Batteries & Charging Systems™

sales@eylex.com.au
www.eylex.com.au

eylex