Bren-Tronics
an EnerSys company

TECHNICAL DATASHEET

BT-70939M(P)-AP(H)

24V High Rate Energy
6T Rechargeable Lithium-Ion Battery, M8, (HTR)

BT-70939MP-APH (SHOWN)

CE

Features

- CAN Bus Communication (Daisy Chain Capable)
- Energy Capacity of 2.7kWh
- Instantly available 1100A @ -18°C, 400A @ -40°C with no pre-heat required
- Electronically Protected
- Light Weight
- Long Cycle Life
- Optional Internal Heater in BT-70939M(P)-APH for EXTREME cold temperation operation
- BT-70939M-AP(H) denotes metal case
- BT-70939MP-AP(H) denotes plastic case
- CE Compliant

Typical Applications

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

Recommended Charging Platforms

- Designed to interface with MIL-STD-1275 compliant vehicle charging systems

Technical Specifications

National Stock Numbers	Pending
BT Part Numbers	BT-70939M-AP, BT-70939M-APH, BT-70939MP-AP and BT-70939MP-APH
Dimensions (less handles)	Length: 10.0 in (254 mm) Width: 10.5 in (267 mm)
	Height: 9.05 in (230 mm) including connectors
Weight	BT-70939M-AP(H): 52 lbs (23.6 kg)
	BT-70939MP-AP(H): 45.5 lbs (20.6 kg)
Nominal Voltage	25.2V
Peak Current (-18°C, 30sec)	1100A (Pre-Heating Not Required)
Peak Current (-40°C, 30sec)	400A (Pre-Heating Not Required)
Peak Current (25°C, 35msec)	2640A
Nominal Capacity	103Ah (2.7kWh)
Operating Temperature, Discharge	-46°C to +71°C (-51°F to +160°F)
Operating Temperature, Charge	-20°C to +71°C (-4°F to +160°F) for BT-70939M(P)-AP
	-46°C to +71°C (-51°F to +160°F) for BT-70939M(P)-APH
Storage Temperature	-54°C to +88°C (-65°F to +190°F)
Terminals	POS – Female: 3/8-16 UNC-2B (13mm deep)
	NEG – Female: 5/16-18 UNC-2B (13mm deep)
	SAE Posts (Removable)
State of Charge Indicator	5 Segment LCD
Disposal	Check local regulations (Contains 0% Mercury or Cadmium)

Bren-Tronics is an advanced designer and manufacturer of primary and rechargeable batteries, chargers and complete energy storage systems from watt hours to megawatt hours.

For a complete description of our products refer to Bren-Tronics website at: http://www.bren-tronics.com

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