

# TECHNICAL DATASHEET

## BB-2590/U

## Rechargeable Lithium-Ion Battery



### Features

- Complies with SMBus v1.1 and SBData v1.1
- UN/DOT 38.3 Rating: 294 Wh
- Comparable to: BT-70791A, BT-70701BK, BT-70791BE, BT-70791BG, BT-70791CE, and BT-70791CG
- Designed, manufactured, and qualified to MIL-PRF-32052/1 in the USA.

### Typical Applications

- SINGARS & ATCS (AN/PRC-104, 119)
- FALCON (AN/PRC-138, 117)
- Robots
- Surveillance / Sensors

### Recommended Charging Platforms

Charger Part Number	Required Adapter Part Number
BTC-70801	BTA-70834 or BT-70903*
BTC-70844	BTA-70834 or BT-70903*
BTC-70819, -1, -3	BTA-70834 or BT-70903*
BTC-70836	BTA-70841 or BTA-70820
BTC-70870, -1, -3	BTA-70841 or BTA-70820
BTC-70824-1	BTA-70782 or BTA-70781
BTC-70663	BTA-70782 or BTA-70781A
BTC-70824-2	(Not Required)
BTC-70791-LR	(Not Required)
BTC-70791-MR	(Not Required)
BTC-70822-MR	(Not Required)

### Technical Specifications

National Stock Number	6140-01-490-4316
BT Part Number	BT-70791CK
Dimensions	<b>Length:</b> 4.4 in (112 mm) <b>Width:</b> 2.4 in (61 mm) <b>Height:</b> 5.0 in (127 mm)
Weight	3.1 Lbs (1.4 Kg)
Nominal Voltage	28.8V, Two (2) x 14.4V/Section
Maximum Voltage	33.0V, Two (2) x 16.5V/Section * 33.6V, Two (2) x 16.8V/Section
Capacity	7.5 Ah in 24V Mode; 15.0 Ah in 12V Mode
Discharge	10A Max Continuous / Section
Pulse Discharge	18A (5 sec ON/25 sec OFF) / Section
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Recommended Storage Temperature	-40°C to +40°C (-40°F to +104°F)
Connector	Floating Type per U.S. Army DWG# SC-C-179495
State of Charge Indicator	2 Separate 5 Segment LCDs with Constant Display
Disposal	Check local regulations (Contains 0% Mercury or Cadmium)