



High Capacity Rechargeable, Lithium-Ion
Battery

BT-70791E

Features

- Complies with SMBus v1.1 and SBData v1.1
- **Only BB-2590/U Qualified** for Military Use
- Total Energy of 250 Wh

Typical Applications

- SINGARS & ATCS (AN/PRC-104, 119)
- FALCON (AN/PRC-138, 117)
- VINSON (TSEC/KY-57)
- MXF-430 & AN/PSC-5 Radios

Replaces

Recommended Charging Platforms

Battery Part Number	Charger Part Number	Required Adapter Part Number
BB-2590/U	BTC-70801	BTA-70834
BA-3590/U	BTC-70844	BTA-70834
BA-5590/U	BTC-70819, -1, -3	BTA-70834
BA-5390/U	BTC-70836	BTA-70841 or BTA-70820
BB-490/U	BTC-70870, -1, -3	BTA-70841 or BTA-70820
BB-590/U	BTC-70824-1	BTA-70782 or BTA-70781
BB-390B/U	BTC-70663	BTA-70782 or BTA-70781A
BT-70790	BTC-70824-2	(Not Required)
BT-70290	BTC-70791-LR	(Not Required)
BT-70409	BTC-70791-MR	(Not Required)
BT-70791A	BTC-70822-MR	(Not Required)



Technical Specifications

National Stock Number	Pending
BT Part Number	BT-70791E
Dimensions	Length: 4.4 in (112 mm) Width: 2.4 in (61 mm) Height: 5.0 in (127 mm)
Weight	3.1 Lbs (1.4 Kg)
Voltage (Nominal)	28.8V, Two (2) x 14.4V/Section
Voltage (Maximum)	33.0V, Two (2) x 16.5V/Section
Capacity	8.7 Ah in 24V Mode; 17.4 Ah in 12V Mode
Discharge	10A Max Continuous / Section
Pulse Discharge	18A (5 sec ON / 25 sec OFF) / Section
Operating Temperature	-20°C to +55°C (-4°F to +131°F)
Storage Temperature	-40°C to +40°C (-40°F to +104°F)
Connector	Floating Type per U.S. Army DWG# SC-C-179495
Absolute State of Charge Display	2 Separate 5 Segment LCDs with Constant Display
Disposal	Environmentally Safe – Contains Zero (0)% Mercury or Cadmium

For additional information please refer to Bren-Tronics website at: <http://www.bren-tronics.com>



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