

TECHNICAL DATASHEET

BT-70791CG(-B)

High Performance Rechargeable, Lithium-Ion Battery



(BT-70791CG SHOWN)



Features

- Complies with SMBus v1.1 and SBDData v1.1
- UN/DOT 38.3 Rating: 294Wh
- Comparable to: BB-2590/U, BT-70791A, BT-70701Bx and BT-70791Cx
- Absolute state of charge indicator
- Certified by US Army to MIL-PRF-32052/1
- Visit: www.bren-tronics.com/patents for patent information
- CE and UKCA Compliant

Typical Applications

- Robots
- Surveillance / Sensors
- SINCGARS & ASIP (AN/PRC-119) Radios
- FALCON (AN/PRC-150, 117) Radios

Recommended Charging Platforms

Charger Part Number	Required Adapter Part Number
BTC-70801	BTA-70903* or BTA-70834
BTC-70844	BTA-70903* or BTA-70834
BTC-70819, -1, -3	BTA-70903* or BTA-70834
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, MR	(Not Required)
BTC-70903-LR, MR1	(Not Required)
BTK-70822-MR-x Series	(Not Required)
BTC-70911-xx Series	(Not Required)

Technical Specifications

National Stock Number	6140-01-659-6604 (BT-70791CG); 6140-01-661-4935 (BT-70791CG-B)
BT Part Number	BT-70791CG; BT-70791CG-B
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)
Nominal Voltage	28.8V, Two (2) x 14.4V/Section
Maximum Voltage	33.6V, Two (2) x 16.8V/Section (supported chargers marked with *)
Capacity	9.9Ah in 24V Mode; 19.8Ah 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	6 Pin 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)

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>



HEADQUARTERS

United States

10 Brayton Court, Commack, NY 11725
Phone: 1-631-499-5155 • Fax: 1-631-499-5504

Europe • 20 rue Henri Regnault 75014, Paris, France • Phone: +33(0)1-40-59-8051 • Fax: +33(0)1-45-41-5816

United Kingdom • 7 Airfield House, Kingston Business Park, Kingston Bagpuize, Oxon OX13 5FD • Phone: +44-1865-822322 • Fax: +44-1865-822301

Data presented in this document is subject to change without notice. This is for marketing and sales purposes only. This is not a controlled document. Please contact Bren-Tronics for latest specifications.