



Full SOC charge

BTR-70791-2 shown with BT-70791 (sold separately)

Instantly Determine Your Batteries Health Status Before Heading Out Easily Manage Your Battery Inventory

Features

- For use with BB-2590/U, BT-70791 Series.
- LED indication assures the user they have selected a battery that is able to provide the expected operational energy.
- SOH information quickly informs the user if the battery is capable of at least 80% of its original capacity and at the same time indicates through the SOC if it is charged to at least 80%.
- Indicates SOC \leq 30% for air transport.
- Classifies healthy batteries that will perform when needed and identifies batteries that should be charged or discarded.
- Small enough to carry on missions, battery status can be readily obtained whenever needed.
- Time stamped, serialized battery SOH data is captured and stored with room for over 200,000 data points.
- Collected data is available via USB interface and can be used to identify and manage the state of your battery inventory.
- Small, ergonomic, form factor, device that requires no training.
- The Battery Health+ Analyzer gives you confidence that your battery is fully operational.

LED Definition

- **SOH \geq 80%, SOC \geq 80%** : Battery Available Capacity and State of Charge greater than or equal to 80%. Battery is serviceable.
- ✱ **SOH \geq 80%, SOC < 80%** : Battery Available Capacity greater than or equal to 80%. State of Charge less than 80%. Fully charge battery to maximize runtime.
- **SOH \geq 80%, SOC \leq 30%** : State of Charge less than or equal to 30%. Meets required SOC for air transportation (per IATA 2016 Provisions).
- **SOH < 80%** : Battery Available Capacity less than 80%. Discard and replace battery.
- ✱ **Read Error** : Battery read error. Battery faulty or communication error. Check connections.
- ✱ **Storage Error** : Battery storage error. Contact Bren-Tronics for service support.

NOTE: if no LED, verify the battery has some charge, connection is good, and retest.

Technical Specifications

BT Part Number BTR-70791-2

PHYSICAL CHARACTERISTICS

Dimensions **Length:** 0.09 in (2.3 mm)

Width: 1.96 in (50 mm)

Height: 1.57 in (40 mm)

Weight 70g (0.15 Lbs)

Material / Color Plastic / Black

Disposal Check local regulations (Contains 0% Mercury or Cadmium)

May also be used on the BB-2557, BT-70757 family of batteries.



Sample of Health+ CSV file imported to Excel
to aid with Battery Management

Device Name	Serial Number	Section#	Design Capacity (mAh)	Full Charge Capacity (mAh)	Remaining Capacity (mAh)	Relative Charge (%)	Absolute Charge (%)	Battery Status	Date
BB-2557	6417	A	2500	2571	1194	47	48	c0	18-03-2017
				2600	1276	50	52	c0	11/03/17
				2602	1279	50	52	c0	10/03/17
				2609	1264	49	51	c0	14-03-2017
				2614	1216	47	49	c0	22-03-2017
		B	2500	2626	1297	50	52	c0	11/03/17
				2627	1299	50	52	c0	10/03/17
				2627	1228	47	50	c0	22-03-2017
				2627	1272	49	51	c0	14-03-2017
				2629	1256	48	51	c0	18-03-2017

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.
Visit us at: <http://www.bren-tronics.com>

HEADQUARTERS - USA
10 Brayton Court
Commack, NY 11725
Phone: 1-631-499-5155

EUROPE
20 rue Henri Regnault
75014, Paris, France
Phone: +33(0)1-40-59-8051

UNITED KINGDOM
7 Airfield House, Kingston Business Park
Kingston Bagpuize, Oxon OX13 5FD
Phone: +44-1865-822322

