



# BATTERY HEALTH+







The Battery Health+ Analyzer analyzes and reports battery State of Health (SOH) and State of Charge (SOC) for BB-2590/U (BT-70791 series) batteries. The SOH information allows the user to quickly determine if a battery retains at least 80% of its original capacity and at the same time indicates through the SOC if it is charged to at least 80% of that same original capacity. Also indicates  $SOC \leq 30\%$  for air transport. The device internally stores the battery SMBus data via its flash memory. The stored data may be accessed via USB to a PC. The Battery Health+ behaves as a USB Mass storage device when connected to a PC. It is self-powered, so when it is not in use it will retain its internal date and time.

## Operating Instructions

Place the Battery Health+ firmly onto a BB-2590/U battery via the battery connector and data terminals. Ensure the data terminals are not covered or insulated. Use the LED indicators to determine the battery's SOH and SOC status (*turn over this card for further details*).

## LED Guide

**SOH** - State of Health, **SOC** - State of Charge

-  **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  $\leq$  80%:** Battery Available Capacity greater than or equal to 80%. State of Charge less than or equal to 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  $\leq$  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.