



# Bren-Tronics, Inc.

*Intelligent Batteries & Charging Systems*

10 BRAYTON COURT, COMMACK, NY 11725

Certified to



ISO 9001:2015;  
AS9100D



## Lithium-Ion Battery Storage and Maintenance Guidelines

### Shelf Life:

Battery is guaranteed for one year as defined in the Bren-Tronics, Inc. Warranty Statement (see official Warranty Statement below). Based on our experience you could expect a storage life of 5 years if correctly stored @ 23° C +/- 2° in a dry environment. Please see Li-Ion battery Maintenance Statement below for information on correctly storing/maintaining Bren-Tronics batteries.

### Receiving Batteries:

Bren-Tronics typically ships li-ion batteries with approximately 30% State of Charge. Due to natural self-discharge, it is recommended to charge each battery prior to long term storage.

### Warranty Statement:

Bren-Tronics, Inc. warrants each of its batteries to be free from defects in material and workmanship under normal use and storage; our obligation under this warranty being limited to the repair or replacement, at our factory, of any battery/charger returned intact within one year of date of shipment, with transportation charges prepaid, and which upon its examination shall show to be thus defective.

### Maintenance Statement:

1. For **optimum performance**, store batteries @ 23° C +/- 2° in a dry environment. The storage range as specified per MIL-PRF-32052(CR) is -20°C (-4°F) to +50°C (122°F) and storage can occur between -40°C (-40°F) to +50°C (122°F), however storage at extreme temperature ranges will affect the batteries performance and life.
2. All rechargeable Lithium-Ion batteries with a design capacity of 4Ah or greater should be maintained once a year following this procedure:
  - a. The battery should be inspected by the user for any visible damage.
  - b. Place the battery on a Bren-Tronics approved charger and follow the recommended charging instructions to return the battery to a full charge.
3. All rechargeable Lithium-Ion batteries with a design capacity of less than 4Ah should be maintained every 6 months following this procedure:
  - a. The battery should be inspected by the user for any visible damage.
  - b. Place the battery on a Bren-Tronics approved charger (where applicable) and follow the recommended charging instructions to return the battery to a full charge