

New Li-poly Battery for Boston Digital Arms

LTI has introduced a new high-capacity, light-weight lithium-polymer battery for the **Boston Digital Arm**. This 2000 mAHr battery has twice the capacity and yet is 30% lighter than the original Ni-Cad battery. Additionally, it does not have the charging constraints and memory issues associated with Ni-Cad batteries. The new battery also has appropriate safety features to assure safe and reliable operation under normal conditions. The new light-weight battery reduces the total weight of the Boston Digital Arm to less than 2 pounds, making it the lightest microcontroller-based powered adult elbow system on the market today.



Because of the demand for humeral-level prostheses using an **iLimb hand** with a powered elbow, the new Boston Arm battery has been designed with an optional circuit board specifically for the iLimb hand. This circuit board regulates the battery to 7.4 volts and delivers up to 6 amps which is required by the iLimb hand for optimal performance. As a result, the prosthesis will have just one battery and one charger! Additionally, the weight distribution will be significantly better than using a supplementary battery in the forearm. Users prefer to be able to operate the hand and elbow all day without recharging - this battery will deliver enough power to do that.

For additional information on the Boston Digital Arm System and the new Lithium-polymer battery, contact Liberating Technologies, Inc. at 1-800-437-0024.

BE360 Lithium-polymer Battery Specifications:

Voltage: 11 volts nominal
Weight: 172 grams (0.4 lbs)
Current (max): 13 amps

BE361 iLimb circuit board (optional):

Voltage: 7.4 volts nominal
Current (max): 6 amps

BE365 Charger for lithium-polymer battery (BE360)

LTI Liberating Technologies, Inc.

325 Hopping Brook Road, Suite A, Holliston, MA 01746-1456

Phone 508-893-6363 FAX 508-893-9966

www.liberatingtech.com