

TECHNICAL LITERATURE POWERPLUS LI 2 LITHIUM-ION BATTERY PACK B22606 DROP IN REPLACEMENT FOR OTTO BOCK – PART NUMBER 757B8)



Designed as a drop-in replacement for Otto Bock (757B8) Nickel Cadmium removable batteries, the **PowerPlus** Lithium Ion high capacity battery pack gives the user of Otto Bock 6 Volt power systems significantly improved performance, without the need to rebuild the prosthesis.

PowerPlus batteries provide almost twice the capacity of the equivalent NiCad units and 20% higher voltage for faster speeds, yet they are 20% lighter. Running times between charges will not only be significantly longer, but the performance of Lithium Ion will be more consistent during the discharge cycle.

PowerPlus batteries also have a convenient “fuel gauge” facility to determine the state of charge.

Simply pressing the test button will give an instant indication of the state of charge – no more guesswork!

Green: Fully charged:- ok to start the day.

Amber: Charge as soon as possible.

Both LEDs may be illuminated during the change of state from Green To Amber.

If no lights illuminate on the battery when the button is pressed, the battery may need to be reset. This is a simple operation and is carried out as follows:-

Return the battery to the correct charger unit, which is powered and displaying a pair of red LED lights.

Correctly position the battery in a charger receptacle. The charger LED (for that side) will change from red to flashing amber then steady amber (within a few seconds) denoting that the battery is charging.

When the charger LED changes to green the battery is removed from the charger and used as before.

If the charger LED returns to red after flashing amber remove and try again.

PowerPlus Features at a glance

- No memory effect
- Significantly improved performance over NiCad batteries

- Convenient LED state of charge power indicators
- 20% lighter than NiCad batteries
- Approximately 80% charge within the first hour
- Fully recharged in approximately three hours
- Advanced electronics protect against overcharging and over discharging
- Low self-discharge enables storage without significant power loss
- Fewer batteries typically required
- Provides improved performance

Ordering Information:

Part No.	Description
B22606	PowerPlus Lithium-Ion Battery – Otto Bock Compatible
B22076	PowerPlus Lithium-Ion Battery Charger – for use with B22606 only
NTO0017	UK Transformer for Power Plus Lithium –Ion Charger
NLI 0040	European Transformer for Power Plus Lithium-Ion Charger

Technical Specification:

Weight	52g
Length	81mm
Width	28.1mm
Height	16.5mm
Cell nominal capacity	560mAh
Output voltage	6.7V max. 6.5V nominal

Battery Capacity Indicator: Capacity Battery capacity is generally sufficient for one day. It is good practice to recharge every night.

Green	100% - 30%
Amber (recharge)	<30%

No LEDs battery has exhausted its capacity and needs charging.

If all LEDs flash after charging battery has become overcharged and needs to be discharged and recharged.

IMPORTANT NOTES:-

New batteries must be charged for 16 hours before first use!

Batteries not to be charged for greater than 24 hours!

**! Warning ! : Use only with RSLSTEEPER Lithium-Ion Chargers and Transformers
DO NOT USE WITH NICKEL CADMIUM BATTERY CHARGERS**

WHEN USING THE BATTERY

! WARNING !

- 1) Lithium-ion cells and battery packs may get hot, explode or ignite and cause serious injury if exposed to abuse conditions. Be sure to follow the safety warnings listed below:
 - Do not place the battery in fire or heat the battery.
 - Do not use the battery other than directed by the Prosthetist.
 - Do not connect the positive terminal and negative terminal of the battery to each other with any metal object (such as wire).
 - Do not carry or store battery together with necklaces, hairpins or other metal objects.
 - Do not pierce the battery with nails, strike the battery with a hammer, step on the battery or otherwise subject it to strong impacts or shocks.

- Do not expose battery to water or salt water, or allow the battery to get wet.
- 2) Do not disassemble or modify the battery. The battery contains safety and protection devices, which, if damaged, may cause the battery to generate heat, explode or ignite.
 - 3) If the battery case becomes damaged stop using and place in a plastic bag to stop the battery getting wet and return to prosthetist.
 - 4) Do not place the battery in or near fire, on stoves or other high temperature locations. Do not place the battery in direct sunlight, or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, explode or ignite. Using the battery in this manner may also result in a loss of performance and a shortened life expectancy.
 - 5) In the unlikely event of a malfunction or unusual operation stop using and consult the prosthetist.
! CAUTION !
 - 6) If the device is to be used by small children, the prosthetist / caregiver should explain the contents of this document to the children and provide adequate supervision to ensure the device is being used appropriately.
 - 7) When the battery is worn out, insulate the terminals with adhesive tape or similar materials and return to prosthetist.
 - 8) Immediately discontinue use of the battery if, while using, charging or storing the battery, the battery emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way. Contact RSLSTEEPER if any of these problems are observed.
 - 9) Do not place the battery in microwave ovens, high-pressure containers or on induction cookware.
 - 10) In the event the battery is damaged which results in the cell leaking and the fluid gets into one's eye, do not rub the eye. Rinse well with water and immediately seek medical care. If left untreated, the battery fluid could cause damage to the eye.

This product meets the essential requirements of the Medical Devices Directive for Class 1 devices.

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