



For Battery Power Line II (BPL II) Li-ion battery (530.630)

# STERRAD<sup>®</sup> and V-PRO<sup>®</sup> Systems Sterilization Guide

## 1. Preparation Prior to Reprocessing

### Disassembly

- Before cleaning, remove all instruments and attachments from the power tool. Remove the battery casing from the handpiece and then remove the battery from the battery casing.

### ▲ Precautions:

- Inspect battery for cracks or damage.
- Do not use solvents to disinfect the battery. Solvents must not contact water or solvents as there is a danger of short-circuiting.
- Do not spray the contacts. When using a damp cloth to wipe off the contacts, ensure that they are completely dry before inserting the battery into the handpiece. Residual moisture could cause a short-circuit.

## 2. Cleaning and Disinfection

- A. To clean the battery, wipe it off with a clean, soft, and lint-free cloth dampened with deionized water until no visible soil remains on the devices. If any visible soil remains, repeat the step with a new dampened cloth. Dry them off using a clean, soft, lint-free single-use cloth prior to disinfection.
- B. To disinfect the battery, wipe it off with a clean, soft and lint-free cloth dampened with a minimum of 70% alcohol-based disinfectant for thirty (30) seconds. A disinfectant that is VAH listed, EPA registered or locally recognized is recommended. This step has to be repeated two (2) additional times using a new, clean, soft and lint-free cloth dampened with a minimum 70% alcohol-based disinfectant each time.

## 3. Charging<sup>1</sup>

- Place the battery into the Universal Battery Charger II<sup>2</sup> (05.001.204).
- Charge the battery. When the green LED illuminates, the battery is fully charged.
- Upon completion of charging the battery, wipe the battery with a minimum 70% alcohol-based disinfectant prior to wrapping and labeling.

## 4. Wrapping and Labeling

The batteries can either be wrapped or peel pouched. Follow the instructions for wrapping and labeling with the STERRAD Systems provided by Advanced Sterilization Products or with the V-PRO Systems provided by STERIS.

## 5. Sterilization

- Process the battery in the STERRAD or V-PRO Systems following the instructions provided by the legal manufacturer Advanced Sterilization Products or STERIS.
- The BPL II Li-Ion battery (530.630) has been validated with the following:

### STERRAD and V-PRO Systems and Cycles

- |  |   |
|--|---|
| • STERRAD <sup>®</sup> 50                                | • V-PRO <sup>®</sup> maX Lumen Cycle, Non Lumen Cycle, Flexible Cycle   |
| • STERRAD <sup>®</sup> 200 Short Cycle                   | • V-PRO <sup>®</sup> 60 Lumen Cycle, Non Lumen Cycle, Flexible Cycle    |
| • STERRAD <sup>®</sup> 100S Short Cycle                  | • V-PRO <sup>®</sup> MAX 2 Lumen Cycle, Non Lumen Cycle, Flexible Cycle |
| • STERRAD <sup>®</sup> NX <sup>®</sup> Standard Cycle    | • V-PRO <sup>®</sup> S2 Lumen Cycle, Non Lumen Cycle, Flexible Cycle    |
| • STERRAD <sup>®</sup> 100NX <sup>®</sup> Standard Cycle |   |
| • V-PRO <sup>®</sup> 1 Lumen Cycle                       |   |
| • V-PRO <sup>®</sup> 1 Plus Lumen Cycle, Non Lumen Cycle |   |

### ■ Note:

No other sterilization methods are allowed.

## 6. Storage and Use<sup>3</sup>

- Battery can be used immediately or sterile stored in accordance with hospital's procedures.
- Rotate stock and recharge unused batteries, as necessary.
- Compared to nickel based batteries the self-discharge rate of the BPL II Li-Ion battery is less than half during storage<sup>4</sup>.

### ▲ WARNINGS:

- Never expose batteries to temperature over 60°C/140°F. The maximum exposure time at 60°C/140°F is 72 hours.
- Do not dismantle, open, short-circuit or shred batteries.
- Do not leave the battery empty of charge as this will reduce its lifetime or damage the battery.

<sup>1</sup> Universal Battery Charger II with firmware version 14.0 or higher is required to charge BPL II Li-ion batteries.

<sup>2</sup> For detailed information on the Universal Battery Charger II, please refer to the Instructions for Use for the Universal Battery Charger II.

<sup>3</sup> For detailed information regarding Storage and Use, please refer to the Instructions for Use for the Battery Power Line II.

<sup>4</sup> Data on file at DePuy Synthes.

## 7. STERRAD or V-PRO Sterilized Battery Insertion

- The scrubbed person performs all of the steps according to Figure 1–8.
- Open the lid of the battery casing (530.690) by simultaneously pressing both battery casing locks (Fig. 1). Ensure the lid of the battery casing is fully open (Fig. 2) and facing towards the scrubbed person (Fig. 3).
- Insert the sterile battery into the battery casing (Fig. 4) and press it completely into the battery casing to ensure a correct seat (Fig. 5).
- Close the battery casing by simultaneously pressing both battery casing locks and closing the lid (Fig. 6 and Fig. 7).
- Attach the battery pack into the Battery Power Line II handpiece (Fig. 8).

After usage, remove the battery casing from the handpiece and open the lid. The circulating person then removes the battery. Ensure that the battery does not touch the exterior of the battery casing to avoid contaminating the battery. Put the battery immediately in the charger.

### Notes:

- Ensure that the STERRAD or V-PRO sterilized battery does not come into contact with any liquids or other substances whilst being inserted.
- For detailed information please refer to the Instructions for Use for the Battery Power Line II.
- Following the introduction of the STERRAD or V-PRO sterilization methods, the markings on the BPL II Li-Ion batteries (530.630) have been changed, including replacing “DO NOT STERILIZE” with “DO NOT AUTOCLAVE MAX. 60 °C / 140 °F”. However, all BPL II Li-Ion batteries (530.630) can be STERRAD or V-PRO sterilized, regardless of their markings.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



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STERRAD® is a registered trademark of Advanced Sterilization Products (ASP).

V-PRO® is a registered trademark of STERIS Corporation.

Not all products are currently available in all markets. Data available on request.

Please contact your DePuy Synthes Representative for more information.

For full user instructions and precautions please consult the product IFU.

All DePuy Synthes Implant Instructions for Use as well as general Instructions for Use are available as PDF files at [www.e-ifu.com](http://www.e-ifu.com)