

Guideline Storage and Returns

E-mobility products with Lithium Ion batteries

Introduction

This guideline is intended to assist customers of Sunrise Medical in handling products during storage and return transport.

There are 3 different product categories with distinctive guidelines of storage and/or return transport:

1. Products without any electronics / batteries (manual wheelchairs, rollators etc)
2. Power wheelchairs and scooters with gel batteries
3. **E-mobility products with lithium ion batteries**

Shipping of lithium ion batteries is in the scope of Dangerous Goods Transport Regulations. Specific requirements have to be respected. All Sunrise Medical products and/or components that contain a Lithium Ion Battery are therefore packaged in special packaging.

The following recommendations have been created to provide practical guidance to a safe storage and the applicable regulations of the (return) transport of E-mobility products with lithium ion batteries

Conditions for safe storage












- Products should be stored in a dry place; between 20 – 75% Relative Humidity.
- Protect from direct sunlight and dust for long periods. Do not store near open flame.
- The ambient temperature must be between -15° and 45°C / 5 and 113°F (up to 1 month storage), -15° and 35°C / 5 and 95°F (up to 6 month storage), 10° and 25°C / 50 and 77°F (recommended).
- Store individual batteries only in original packaging in order to avoid inadvertent short circuits as this may result in damage to the product, nearby objects or personnel.
- The batteries shouldn't be drained too far, to avoid damages. Therefore, charge the batteries to their full capacity every 3 months.
- Position and stack the packaged products according to the "this side up" arrows on the packaging.
- If a package is high and narrow and therefore potentially unstable, make sure it is well secured on the pallet or in the racking, to prevent it from falling down.
- Do not stack anything on top of the packaged products when the "do not stack" mark on the packaging is shown.
- Product should never be stored externally and subject to the elements.

Returns

These lithium ion batteries and/or products with lithium ion batteries are designed and packed to comply with all applicable shipping regulations as prescribed by industry and legal standards. Packaging, markings and documentation requirements within Europe are defined in the International Air Transport Association (IATA) Dangerous Goods Regulations (DGR) PI 965 and PI P903 of the ADR and International Maritime Dangerous Goods Code (IMDG). Packaging, markings and documentation requirements within U.S. are defined in Title 49 of the Code of Federal Regulations (CFR), Section 173.185 of the U.S. Hazardous Materials Regulations (HMR).

- To comply with regulation, use the original packaging including the padding and protective materials and, if applicable, the pallet.

If the original packaging is not available: Use a packaging that meets the following requirements:

	1	2	3
	Lithium ion batteries > 100 Kw	Lithium ion batteries > 100 Kw packed with product	Lithium ion batteries > 100 Kw contained in product
HAZARD CLASS	Hazard Class: 9 UN no. 3480 Packing Group II	Hazard Class: 9 UN no. 3481 Packing Group II	Hazard Class: 9 UN no. 3481 Packing Group II
PACKAGING INSTRUCTION	DGR 965 - ADR 903  UN package required	DGR 966 - ADR 903  UN package required only for the battery box	DGR 967 - ADR 903 No UN package required
LABELING Truck & Sea shipping			
LABELING Air shipping	 	 	 
DECLARATION / SHIPPING PAPERS	