



Technical Bulletin

Paderborn, 2020-01-31

grandMA3 UPS battery in transportation

grandMA3 full-size and grandMA3 light consoles are including a UPS (uninterruptible power supply) that is realized by a lithium-ion (iron-phosphate) battery. Products including such type of batteries need to be handled special for transportation.

Normal freight forwarding requires a dedicated symbol to see that the product includes a lithium-ion battery. Freight forwarding by air or by sea might require additional security levels or labelling of products. This needs to be adapted to local rules!

MA Lighting provides a “product safety data sheet” and a “UN38.3.5 test summary” for the batteries built into the consoles. These papers and the additional label on the product packaging should allow for most forwarders to easily transport the goods. Nevertheless, always check with your preferred forwarder.

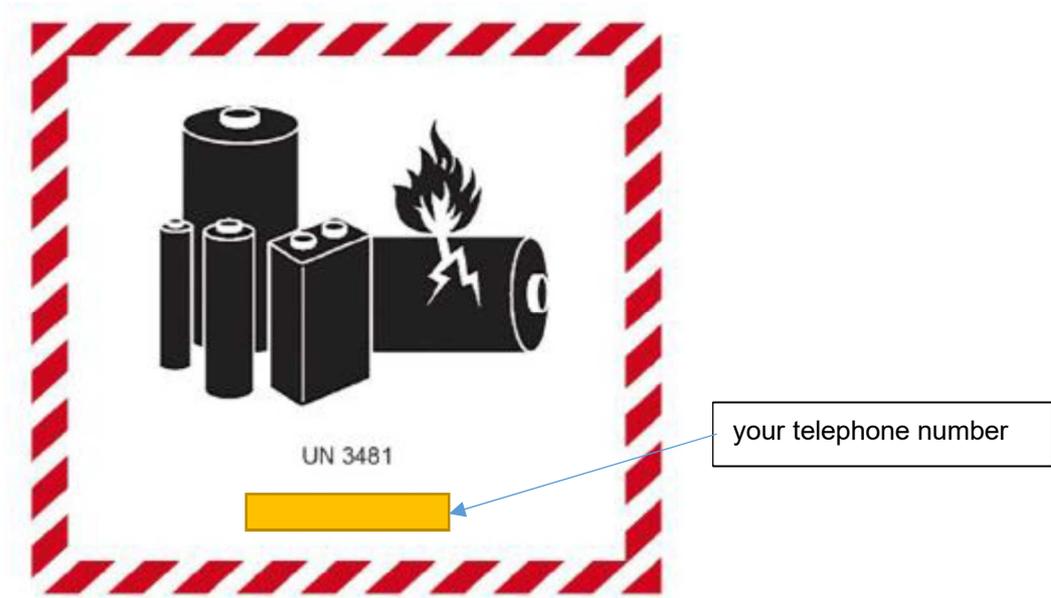
For transportation all batteries must be part of a product. The product must be protected by an adequate transport packaging and be proper labelled with a valid telephone number. See example below.

Transportation on road:

ADR: 3.3 special claim 188
Battery: LiFePo4
Energy: 49.5Wh (max. 100Wh)
battery part of product: yes
UN38.3 available: yes

Transportation by air:

IATA-DGR: 967, part II
packing only by trained person according to 1.6 IATA-DGR
Battery: LiFePo4
Energy: 49.5Wh (max. 100Wh)
battery part of product: yes
UN38.3 available: yes
weight of battery less than 5kg: yes



The telephone number must be available during normal office operation times and the called person shall be able to answer questions about the product.

This document comes with two declarations:

- product safety data sheet
- UN38.3.5 test summary

Please note, other and sometimes stricter regulations apply to lithium-ion batteries as spare parts only!

Without having any written permission from the editor, it is not allowed to copy, reproduce or publish any part of this document, neither in printed form nor by photos or electronic media. All technical specifications are subject to change without notification. We do not assume liability for any incorrect information in this document.

MA Lighting, grandMA3, dot2, grandMA2 and grandMA are trademarks or registered trademarks of MA Lighting Technology GmbH. Microsoft® and Windows® are registered trademarks of Microsoft Corporation. Other brand names are trademarks or registered trademarks of their respective owners.

Product pictures in this document may show optional equipment and accessories.