# Lithium ion metal batteries Chart

ANA Cargo

April 1, 2022

| | | UN3480 PI965 Lithium ion batteries | | UN3090 PI968 Lithium metal batteries | | UN3481<br>PI966 Lithium ion batteries packed with equipment<br>PI967 Lithium ion batteries contained in equipment | | UN3091<br>PI969 Lithium metal batteries packed with equipment<br>PI970 Lithium metal batteries contained in equipment | |
|---|---|---|---|---|---|---|---|---|---|
| | | Section– I A | Section– I B | Section– I A | Section– I B | Section– I | Section– II | Section– I | Section– II |
| | | RBI/CAO | | RBM/CAO | | RLI | ELI | RLM | ELM |
| Section Instructions | Cells | more than 20Wh | not more than 20Wh | more than 1g | not more than 1g | more than 20Wh | not more than 20Wh | more than 1g | not more than1g |
| | Batteries | more than 100Wh | not more than 100Wh | more than 2g | not more than 2g | more than 100Wh | not more than 100Wh | more than 2g | not more than 2g |
| Max number of cells/batteries per package | Cells<br>Batteries | No limit | | No limit | | PI966 must not exceed th number required for the equipment's operation,<br>plus two spare sets.<br>PI967 is no limit | | PI969 must not exceed th number required for the equipment's operation, plus two spare sets.<br>PI970 is no limit | |
| Max Net Qty/Pkg | Net quantity per package | PAX/Forbidden<br>CAO/35kg | PAX/Forbidden<br>CAO/10kg | PAX/Forbidden<br>CAO/35kg | PAX/Forbidden<br>CAO/2.5kg | PAX/5kg<br>CAO/35kg | PAX/5kg<br>CAO/5kg | PAX/5kg<br>CAO/35kg | PAX/5kg<br>CAO/5kg |
| Documentation | DGD | ○<br>PI:『965』<br>Authorization:Vacant. | ○<br>PI:『965 IB』 or<br>Authorization:『IB』 | ○<br>PI:『968』<br>Authorization:Vacant. | ○<br>PI:『968 IB』 or<br>Authorization:『IB』 | ○ | × | ○ | × |
| | ※AWB Notation | ① | ① | ① | ① | ② | ③ | ② | ④ |
| | NH–08<br>Packing Confirmation Sheet | × | ○ | × | ○ | | | | |
| | NH–09<br>Must indicate the HAWB number, the number of packages containing batteries and the net quantity of batteries per each package on the AWB | × | × | × | × | | | | |
| | NH–10<br>No more than 30% state of charge | ○<br>indicate on DGD | ○<br>indicate on DGD | × | × | | | | |
| PACKAGINGS Label | UN specification Packaging | ○ | × | ○ | × | PI966○<br>PI967× | × | PI969○<br>PI970× | × |
| | Class 9 Lithium Battery hazard label | | | | | | × | | × |
| | Lithium battery mark | × | | × | | × | | × | |
| | Cargo Aircraft Only label | | | | | Package of CAO Net quantity is required | Package of CAO Net quantity is required | Package of CAO Net quantity is required | Package of CAO Net quantity is required |
| | ※Overpack | meet the provisions of 5.0.1.5 | meet the provisions of 5.0.1.5 | meet the provisions of 5.0.1.5 | meet the provisions of 5.0.1.5 | meet the provisions of 5.0.1.5 | do not contain substances which might react dangerously with each other | meet the provisions of 5.0.1.5 | do not contain substances which might react dangerously with each other |
| | All Packed in One | meet the provisions of 5.0.2.11 | meet the provisions of 5.0.2.11 | meet the provisions of 5.0.2.11 | meet the provisions of 5.0.2.11 | meet the provisions of 5.0.2.11 | ○ | meet the provisions of 5.0.2.11 | ○ |
| | Shipper's Load ULD (BUP) | Not Available | Not Available | Not Available | Not Available | Not Available | Available | Not Available | Available |
| Other Points of Attention | | | | | | | PI967 Section– II<br>The application of the lithium battery mark and AWB Notation dose not apply to consignment of two packages of less where each package contains no more than four cells or two batteried installed in equipment | | PI970 Section– II<br>The application of the lithium battery mark and AWB Notation dose not apply to consignment of two packages of less where each package contains no more than four cells or two batteried installed in equipment |

**※AWB Notation**

① Dangerous Goods as per Attached(or Associated) DGD "Cargo Aircraft Only"
② Dangerous Goods as per Attached(or Associated) DGD
③ "Lithium ion batteries in compliance with Section II of PI9xx "
④ "Lithium metal batteries in compliance with Section II of PI9xx "

**※Overpack**

The overpack may also contain packages of dangerous goods, other than dangerous goods classified in Class 1 other than Division 1.4S, Division 2.1, Class 3, Division 4.1and Division 5.1,or dangerous goods not subject to these Regulations provided that the packages do not contain substances which might react dangerously with each other.

※More than 2.5kg will be Section IB.

Notes:○means necessary,×means unnecessary.

ANA Cargo shall not be held responsible for the accuracy, reliability or currency of this Chart.
Please always make sure to check the newest DGR.