

LEGEND:

>	Greater than
≤	Equal to or Less than

LITHIUM BATTERIES - QUICK REFERENCE GUIDE

RECHARGEABLE
Lithium Ion Batteries

Lithium Ion Batteries

Lithium Ion Batteries
Packed with Equipment

Lithium Ion Batteries
Contained (installed) in Equipment




**UN3480
PI 965
Section IA**



Per Cell: > 20Wh
Per Battery: > 100Wh
PAX Limit: FORBIDDEN
CAO Limit: 35kg/pkg


- DGD required
- Class 9 Lithium battery label and CAO labels required
- PG II UN packaging required
- IMP: RLI



**UN3481
PI 966
Section I**

Per Cell: > 20Wh
Per Battery: > 100Wh
Qty Limit per pkg: minimum number required to power the equipment + 2 spares
PAX Limit: 5kg/pkg
CAO Limit: 35kg/pkg
Limit excludes weight of equipment

- DGD required
- Class 9 Lithium battery label required
- PG II UN packaging required
- IMP: RLI





**UN3481
PI 967
Section I**


Per Cell: > 20Wh
Per Battery: > 100Wh
PAX Limit: 5kg/pkg
CAO Limit: 35kg/pkg
Limit excludes weight of equipment

- DGD required
- Class 9 Lithium battery label required
- Special packaging requirements apply
- IMP: RLI

~ OR ~

**UN3480
PI 965
Section IB**



Per Cell: ≤ 20 Wh
Per Battery: ≤ 100 Wh
PAX Limit: FORBIDDEN
CAO Limit: 10kg/pkg


- DGD required
- Class 9 Lithium battery, CAO label and Lithium battery mark required
- Special packaging requirements apply
- IMP: RLI

~ OR ~


IMPORTANT!

- UN 3480, State of Charge ≤ 30%.
- UN 3480, Section II, No BUP, No more than 1 package of cells / batteries in a consignment / an overpack.
- UN 3481, Equipment = device for which the lithium cells / batteries will provide electrical power for its operation.

~ OR ~




**UN3480
PI 965
Section II**



Per Cell:	
≤ 2.7Wh	> 2.7Wh but ≤ 20Wh
CAO Limit [PAX FORBIDDEN]:	
2.5kg/pkg	8 cells/pkg
Per Battery:	
≤ 2.7Wh	> 2.7Wh but ≤ 100Wh
CAO Limit [PAX FORBIDDEN]:	
2.5kg/pkg	2 batteries/pkg

- No DGD
- Declaration on AWB
- CAO label and Lithium battery mark required
- Special packaging requirements apply
- IMP: ELI


**UN3481
PI 966
Section II**



Per Cell: ≤ 20Wh
Per Battery: ≤ 100Wh
Qty Limit per pkg: minimum number required to power the equipment + 2 spares
PAX Limit: 5kg/pkg
CAO Limit: 5kg/pkg
Limit excludes weight of equipment

- No DGD
- Declaration on AWB
- Lithium battery mark required
- Special packaging requirements apply
- IMP: ELI

**UN3481
PI 967
Section II**



Per Cell: ≤ 20Wh
Per Battery: ≤ 100Wh
PAX Limit: 5kg/pkg
CAO Limit: 5kg/pkg
Limit excludes weight of equipment

- No DGD
- Declaration on AWB
- If more than 4 cells / 2 batteries or more than 2 packages containing no more than 4 cells / 2 batteries in the consignment:
 - Lithium battery mark required
- Special packaging requirements apply
- IMP: ELI

LEGEND:

>	Greater than
≤	Equal to or Less than

LITHIUM BATTERIES - QUICK REFERENCE GUIDE

NON-RECHARGEABLE
Lithium Metal Batteries

Lithium Metal Batteries

Lithium Metal Batteries
Packed with Equipment

Lithium Metal Batteries
Contained (installed) in Equipment




**UN3090
PI 968
Section IA**



Per Cell: > 1g lithium
Per Battery: > 2g lithium
PAX Limit: FORBIDDEN
CAO Limit: 35kg/pkg

- DGD required
- Class 9 Lithium battery label and CAO labels required
- PG II UN packaging required
- IMP: RLM



**UN3091
PI 969
Section I**

Per Cell: > 1g lithium
Per Battery: > 2g lithium
Qty Limit per pkg: minimum number required to power the equipment + 2 spares
PAX Limit: 5kg/pkg
CAO Limit: 35kg/pkg
Limit excludes weight of equipment

- DGD required
- Class 9 Lithium battery label required
- PG II UN packaging required
- If shipped on PAX aircraft, metal outer / rigid metal intermediate required
- IMP: RLM





**UN3091
PI 970
Section I**


Per Cell: > 1g lithium
Per Battery: > 2g lithium
Qty Limit / Equipment: ≤ 12g/cell or ≤ 500g/battery
PAX Limit: 5kg/pkg
CAO Limit: 35kg/pkg
Limit excludes weight of equipment

- DGD required
- Class 9 Lithium battery label required
- Special packaging requirements apply
- IMP: RLM

~ OR ~

**UN3090
PI 968
Section IB**




Per Cell: ≤ 1g lithium
Per Battery: ≤ 2g lithium
PAX Limit: FORBIDDEN
CAO Limit: 2.5kg/pkg

- DGD required
- Class 9 Lithium battery, CAO labels and Lithium battery mark required
- Special packaging requirements apply
- IMP: RLM


IMPORTANT!

- UN 3090, Section II, No BUP, No more than 1 package of cells / batteries in a consignment / an overpack.
- UN 3091, Equipment = device for which the lithium cells / batteries will provide electrical power for its operation.

~ OR ~




**UN3090
PI 968
Section II**



Per Cell:	
≤ 0.3g lithium	> 0.3g but ≤ 1g lithium
CAO Limit [PAX – FORBIDDEN]:	
2.5kg/pkg	8 cells/pkg
Per Battery:	
≤ 0.3g lithium	> 0.3g but ≤ 2g lithium
CAO Limit [PAX – FORBIDDEN]:	
2.5kg/pkg	2 batteries/pkg

- No DGD
- Declaration on AWB
- CAO label and Lithium battery mark required
- Special packaging requirements apply
- IMP: ELM


**UN3091
PI 969
Section II**



Per Cell: ≤ 1g lithium
Per Battery: ≤ 2g lithium
Qty Limit per pkg: minimum number required to power the equipment + 2 spares
PAX Limit: 5kg/pkg
CAO Limit: 5kg/pkg
Limit excludes weight of equipment

- No DGD
- Declaration on AWB
- Lithium battery mark required
- Special packaging requirements apply
- IMP: ELM

**UN3091
PI 970
Section II**



Per Cell: ≤ 1g lithium
Per Battery: ≤ 2g lithium
PAX Limit: 5kg/pkg
CAO Limit: 5kg/pkg
Limit excludes weight of equipment

- No DGD
- Declaration on AWB
- If more than 4 cells / 2 batteries or more than 2 packages containing no more than 4 cells / 2 batteries in the consignment:
 - Lithium battery mark required
- Special packaging requirements apply
- IMP: ELM