

Packing Instruction 965 (PI965) - UN3480 LITHIUM ION BATTERIES

Section	Capacity	Outer Packaging	Inner Packaging	Net Qty/ Pkg on Passenger Aircraft	Net Qty/ Pkg on Cargo Aircraft	Basice DG Marking	Label (s)	Documentation
IA	- Cell: > 20Wh - Battery: > 100Wh	- UN Packaging	Protects against: - short circuit - Reverse of current flow	Forbidden	35kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9 - Cargo Aircraft Only	-DGD - MSDS & UN38.3 (UNDOT)
IB	- Cell: ≤ 20Wh - Battery: ≤ 100Wh - Pkg over Section II Limit	- Strong outer packaging - Passed 1.2m drop test	- Protects against short circuit	Forbidden	10kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9 - Cargo Aircraft Only - Lith. Batt. Handling label	-DGD - Declaration on AWB (#1) - MSDS & UN38.3 (UNDOT)
II	- Cell: ≤ 20Wh - Battery: ≤ 100Wh	- Strong outer packaging - Passed 1.2m drop test	- Protects against short circuit	Forbidden	a) ≤ 2.7Wh: 2.5kg/ pkg b) > 2.7Wh ~ ≤ 20Wh: 8 cell/ pkg c) > 2.7Wh ~ ≤ 100Wh: 2 Batteries/ pkg	N/A	- Cargo Aircraft Only - Lith. Batt. Handling label	- Shipper's Declaration - Declaration on AWB (#2) - MSDS & UN38.3 (UNDOT)

#1 UN3480 Li-Ion Batteries in compliance with Section IB of PI 965

#2 UN3480 Li-Ion Batteries in compliance with Section II of PI 965

Packing Instruction 966 (PI966) - UN3481 LITHIUM ION BATTERIES PACKED WITH EQUIPMENT

Section	Capacity	Outer Packaging	Inner Packaging	Net Qty/ Pkg on Passenger Aircraft	Net Qty/ Pkg on Cargo Aircraft	Basice DG Marking	Label (s)	Documentation
I	- Cell: > 20Wh - Battery: > 100Wh	- UN Packaging	Protects against: - short circuit - reverse of current flow - accidental activation	5kg net/ pkg	35kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9	-DGD - MSDS & UN38.3 (UNDOT)
II	- Cell: ≤ 20Wh - Battery: ≤ 100Wh	- Strong outer packaging - Passed 1.2m drop test	Protects against: - short circuit - accidental activation	5 kg net/ pkg + 2 spares in addition to equipment (Note 1)	Same as Passenger Aircraft	N/A	- Lith. Batt. Handling label	- Shipper's Declaration - Declaration on AWB (#3) - MSDS & UN38.3 (UNDOT)

#3 UN3481 Li-Ion Batteries packed with equipment in compliance with Section II of PI 965

Note 1: The number of cells or batteries in each package must not exceed the appropriate number for the equipment's operations plus two spares.

Packing Instruction 967 (PI967) - UN3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT

Section	Capacity	Outer Packaging	Inner Packaging	Net Qty/ Pkg on Passenger Aircraft	Net Qty/ Pkg on Cargo Aircraft	Basice DG Marking	Label (s)	Documentation
I	- Cell: > 20Wh - Battery: > 100Wh	- UN Packaging	Protects against: - short circuit - reverse of current flow - accidental activation	5kg net/ pkg	35kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9	-DGD - MSDS & UN38.3 (UNDOT)
II	- Cell: ≤ 20Wh - Battery: ≤ 100Wh	- Strong outer packaging - Passed 1.2m drop test	Protects against: - short circuit - accidental activation	5 kg net/ pkg	5 kg net/ pkg	N/A	- Lith. Batt. Handling label (Note 2)	- Shipper's Declaration - Declaration on AWB (#4) - MSDS & UN38.3 (UNDOT)

#4 UN3481 Li-Ion Batteries contained in equipment in compliance with Section II of PI 967

Note 2: Each package containing more than four cells or more than two batteries installed in equipment must be labelled with a lithium battery handling label (Figure 7.4.H), except for button cell batteries installed in equipment (including circuit boards).

Packing Instruction 968 (PI968) - UN3090 LITHIUM METAL BATTERIES

Section	Capacity	Outer Packaging	Inner Packaging	Net Qty/ Pkg on Passenger Aircraft	Net Qty/ Pkg on Cargo Aircraft	Basice DG Marking	Label (s)	Documentation
IA	- Cell: > 1g - Battery: > 2g	- UN Packaging	Protects against: - short circuit - Reverse of current flow	Forbidden	35kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9 - Cargo Aircraft Only	-DGD - MSDS & UN38.3 (UNDOT)
IB	- Cell: ≤ 1g - Battery: ≤ 2g - Pkg over Section II Limit	- Strong outer packaging - Passed 1.2m drop test	- Protects against short circuit	Forbidden	2.5kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9 - Cargo Aircraft Only - Lith. Batt. Handling label	-DGD - Declaration on AWB (#5) - MSDS & UN38.3 (UNDOT)
II	- Cell: < 1g - Battery: < 2g	- Strong outer packaging - Passed 1.2m drop test	- Protects against short circuit	Forbidden	a) ≤ 0.3g: 2.5kg/ pkg b) > 0.3g ~ ≤ 1g: 8 cell/ pkg c) > 0.3g ~ ≤ 2g: 2 Batteries/ pkg	N/A	- Cargo Aircraft Only - Lith. Batt. Handling label	- Shipper's Declaration - Declaration on AWB (#6) - MSDS & UN38.3 (UNDOT)

#5 UN3090 Li-Metal Batteries in compliance with Section IB of PI 968

#6 UN3090 Li-Metal Batteries in compliance with Section II of PI 968

Packing Instruction 969 (PI969) - UN3091 LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT

Section	Capacity	Outer Packaging	Inner Packaging	Net Qty/ Pkg on Passenger Aircraft	Net Qty/ Pkg on Cargo Aircraft	Basice DG Marking	Label (s)	Documentation
I	- Cell: > 1g - Battery: > 2g	- UN Packaging	Protects against: - short circuit - reverse of current flow - accidental activation	5kg net/ pkg	35kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9	-DGD - MSDS & UN38.3 (UNDOT)
II	- Cell: ≤ 1g - Battery: ≤ 2g	- Strong outer packaging - Passed 1.2m drop test	Protects against: - short circuit - accidental activation	5 kg net/ pkg + 2 spares in addition to equipment (Note 1)	Same as Passenger Aircraft	N/A	- Lith. Batt. Handling label	- Shipper's Declaration - Declaration on AWB (#7) - MSDS & UN38.3 (UNDOT)

#7 UN3091 Li-Metal Batteries packed with equipment in compliance with Section II of PI 969

Note 1: The number of cells or batteries in each package must not exceed the appropriate number for the equipment's operations plus two spares.

Packing Instruction 970 (PI970) - UN3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT

Section	Capacity	Outer Packaging	Inner Packaging	Net Qty/ Pkg on Passenger Aircraft	Net Qty/ Pkg on Cargo Aircraft	Basice DG Marking	Label (s)	Documentation
I	- Cell: > 1g - Battery: > 2g	- UN Packaging	Protects against: - short circuit - reverse of current flow - accidental activation	5kg net/ pkg	35kg net/ pkg	- Shipper -Receiver - UN # + PSN	- Class 9	-DGD - MSDS & UN38.3 (UNDOT)
II	- Cell: ≤ 1g - Battery: ≤ 2g	- Strong outer packaging - Passed 1.2m drop test	Protects against: - short circuit - accidental activation	5 kg net/ pkg	5 kg net/ pkg	N/A	- Lith. Batt. Handling label (Note 2)	- Shipper's Declaration - Declaration on AWB (#8) - MSDS & UN38.3 (UNDOT)

#8 UN3091 Li-Metal Batteries contained in equipment in compliance with Section II of PI 970

Note 2: Each package containing more than four cells or more than two batteries installed in equipment must be labelled with a lithium battery handling label (Figure 7.4.H), except for button cell batteries installed in equipment (including circuit boards).