












Lithium metal and lithium alloy cells or batteries - 2021 IATA DGR




	UN3090 - PI968 				UN3091 - PI969 	UN3091 - PI970 	
Description	Lithium Cells / Batteries loose (bulk)				Lithium Cells/Batteries packed with equipment 	Lithium Cells / Batteries contained in equipment 	
Section	PI968 - Section II			PI968 - Section IB	PI969 - Section II	PI970 - Section II	
Lithium metal cells / batteries capacity	Per cell or battery ≤ 0.3g	Per cell: > 0.3g but ≤ 1g	Per battery: > 0.3g but ≤ 2g	Per cell: ≤ 1g Per battery: ≤ 2g	Per cell: ≤ 1g Per battery: ≤ 2g	Per cell: ≤ 1g Per battery: ≤ 2g	Per cell: ≤ 1g Per battery: ≤ 2g
Maximum number of cells / batteries per package and packages/consignment	N/A	8 cells	2 batteries	> 2 batteries > 8 cells	Those necessary to power the equipment and 2 spare sets (See "Note 2" for set details)	≤ 2 batteries or 4 cells ≤ 2 packages per consignment	> 2 batteries or 4 cells and consignments with more than 2 packages with ≤ 2 batt. or 4 cells
Maximum net weight of cells / batteries per package	2.5 kg (CAO)	N/A	N/A	2.5 kg (CAO)	5 kg (PAX & CAO)	5 kg (PAX & CAO)	5 kg (PAX & CAO)
"Description of content" statement as per IATA DGR	"Lithium metal batteries in compliance with Section II of PI968" and "CAO"			"Dangerous goods as per associated Shipper's Declaration" and "CAO"	"Lithium metal batteries in compliance with Section II of PI969"	No Requirements	"Lithium metal batteries in compliance with Section II of PI970" (See "Note 3")
Required marks and labels	 			 		No Requirements	 (See "Note 3")
Accepted in Time Definite International (door to door)	Forbidden			Yes - Service Code "HE" (See "Note 1")	Yes - Service Code "HM"	Yes - No Service Code Required	Yes - Service Code "HW"
Account approval required for Time Definite Int'l	N/A			Yes	Yes	No	Yes
Requirements for Air Capacity Sales (airport to airport)	Select "LB" and mention "CAO" in the restricted commodity type			Select "DG" and mention "CAO" in the restricted commodity type	Select "LB" and mention "Section II" in the restricted commodity type	No Requirements	Select "LB" and mention "Section II" in the restricted commodity type

Note 1: Forbidden to, from, within the ASIA Pacific region due to air carriers restrictions.

(PAX – Passenger and Cargo Aircraft, CAO – Cargo Aircraft Only)

Note 2: A "set" of cells or batteries is the number of individual cells or batteries that are required to power each piece of equipment.

Note 3: The statement on the waybill and the Lithium Battery Mark  are not required for packages containing only **button cell batteries** installed in equipment (including circuit boards).

As of 1st of January 2021 the Lithium Battery Mark must have minimum dimensions 100 × 100 mm. For small package the dimensions may be reduced to minimum 100 × 70 mm.



Section	PI968 - Section IA 	PI969 & PI970 - Section I 
Per Cell: > 1g Per Battery: > 2g	UN specification packaging required Maximum net weight of cells/ batteries per package: 35 kg (CAO) Time Definite International - Service Code "HE" . (See "Note 4") Air Capacity Sales - Select "DG" and mention "CAO" .	UN specification packaging required for PI969 Maximum net weight of cells/ batteries per package: 5 KG (PAX) and 35 kg (CAO) Time Definite International - Service Code "HE" . (See "Note 4") Air Capacity Sales – Select "DG" and mention "PAX" or "CAO" if applicable.

Note 4: Lithium batteries packed according to **PI968 Section IA** and **PI969/ PI970 Section I** are not accepted in Time Definite International when transported via road to/from an ADR member state.

PI968 Section IA / IB and **PI969, PI970 Section I** - Cells and batteries must not be packed in the same outer packaging, or placed in an overpack with, dangerous goods classified in Class 1 (except 1.4S), Division 2.1, Class 3, Division 4.1 and Division 5.1. (For PI969 and PI970 Section I is a DHL requirement)

PI968 Section II: Cells and batteries must not be packed in the same outer packaging with other dangerous goods. Cells and batteries must not be placed in an overpack with dangerous goods classified in Class 1 (except 1.4S), Division 2.1, Class 3, Division 4.1 and Division 5.1.

IMPORTANT: RECALLED OR DEFECTED LITHIUM BATTERIES ARE FORBIDDEN FOR AIR TRANSPORT.