

















# Lithium ion and lithium polymer cells or batteries - 2017 IATA DGR



	UN3480 - PI965 			UN 3481 -PI966  	UN3481 - PI967 		
Description	Lithium Cells / Batteries loose (bulk) <i>Important: State of Charge (SoC) of the battery/ cell must not exceed 30%</i>			Lithium Cells/Batteries packed with equipment	Lithium Cells / Batteries contained in equipment		
Section	PI965 - Section II			PI965 - Section IB	PI966 - Section II	PI967 - Section II	
Lithium ion cells / batteries capacity	Per cell or battery ≤ 2.7Wh	Per cell: > 2.7Wh but ≤ 20Wh	Per battery: > 2.7Wh but ≤ 100Wh	Per cell: ≤ 20Wh Per battery: ≤ 100Wh	Per cell: ≤ 20Wh Per battery: ≤ 100Wh	Per cell: ≤ 20Wh Per battery: ≤ 100Wh	Per cell: ≤ 20Wh Per battery: ≤ 100Wh
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	≤ 2 batteries or 4 cells <b>≤ 2 packages per consignment</b>	> 2 batteries or 4 cells and <b>consignments with more than 2 packages with ≤ 2 batt. or 4 cells</b>
Maximum net weight per package	2.5 kg (CAO)	N/A	N/A	10 kg (CAO)	5 kg (PAX & CAO)	5 kg (PAX & CAO)	5 kg (PAX & CAO)
"Description of content" statement as per IATA DGR	<i>"Lithium ion batteries in compliance with Section II of PI965" and "CAO"</i>			<i>"Dangerous goods as per attached Shipper's Declaration" and "CAO"</i>	<i>"Lithium ion batteries in compliance with Section II of PI966"</i>	No Requirements	<i>"Lithium ion batteries in compliance with Section II of PI967"</i>
Labeling	 			  		No Requirements	
Accepted in Time Definite International (door to door)	Yes (See "Note 1")			Yes (See "Note 1")	Yes	Yes	Yes
Account approval required for Time Definite Int'l	Yes <i>Separate approval for PI965 Section II</i>			Yes	Yes	No	Yes
Requirements for Air Capacity Sales (airport to airport)	Select " <b>LB</b> " and mention " <b>CAO</b> " in the restricted commodity type			Select " <b>DG</b> " and mention " <b>CAO</b> " in the restricted commodity type	Select " <b>LB</b> " and mention " <b>Section II</b> " in the restricted commodity type	No Requirements	Select " <b>LB</b> " and mention " <b>Section II</b> " in the restricted commodity type

**Note 1:** Limited service worldwide due to CAO limitations. For additional information please contact your local DHL representative. (PAX – Passenger and Cargo Aircraft, CAO – Cargo Aircraft Only)

  **As of 1 January 2017:** a new hazard label comes into effect with a 2-year transitional period during which time either the existing Class 9 Miscellaneous Dangerous Goods hazard label or the new Class 9 Lithium Battery hazard label may be applied to packages containing lithium batteries prepared in accordance with Section I, IA or IB of the lithium battery packing instructions. Also a new mark comes into effect with a 2-year transition period during which time either the lithium battery mark or the lithium battery handling label may be applied to packages containing lithium batteries prepared in accordance with Section IB or Section II of the lithium battery packing instructions. The need for an additional document to accompany the consignments is no longer required.




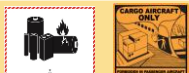


Section	PI965 - Section IA (State of Charge (SoC) ≤ 30%)  	PI966 & PI967 - Section I 
Per Cell: > 20Wh Per Battery: > 100Wh	Accepted as Air Capacity Sales (See "Note 2") - CAO: ≤ 35 kg UN specification packaging required Fully regulated dangerous goods - Class 9 – Select " <b>DG</b> " and mention " <b>CAO</b> "	Accepted as Air Capacity Sales (See "Note 2") - PAX: ≤ 5 KG or CAO: ≤ 35 kg UN specification packaging required (only for PI966) Fully regulated dangerous goods - Class 9 – Select " <b>DG</b> " and mention " <b>PAX</b> " or " <b>CAO</b> "

**Note 2:** Lithium batteries packed according to PI965 Section IA and PI966 / PI967 Section I are not accepted in Time Definite International when transported via road to, from or transiting an ADR member state.

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

# Lithium metal and lithium alloy cells or batteries - 2017 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
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
Maximum net weight per package	2.5 kg (CAO)	N/A	N/A	2.5 kg (CAO)	5 kg (PAX & CAO)
"Description of content" statement as per IATA DGR	<i>"Lithium metal batteries in compliance with Section II of PI968" and "CAO"</i>		<i>"Dangerous goods as per attached Shipper's Declaration" and "CAO"</i>	<i>"Lithium metal batteries in compliance with Section II of PI969"</i>	No Requirements
Labeling					No Requirements
Accepted in Time Definite International (door to door)	Forbidden		Yes (See "Note 1")	Yes	Yes
Account approval required for Time Definite Int'l	N/A		Yes	Yes	No
Requirements for Air Capacity Sales (airport to airport)	Select " <b>LB</b> " and mention " <b>CAO</b> " in the restricted commodity type		Select " <b>DG</b> " and mention " <b>CAO</b> " in the restricted commodity type	Select " <b>LB</b> " and mention " <b>Section II</b> " in the restricted commodity type	No Requirements

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



**As of 1 January 2017:** a new hazard label comes into effect with a 2-year transitional period during which time either the existing Class 9 Miscellaneous Dangerous Goods hazard label or the new Class 9 Lithium Battery hazard label may be applied to packages containing lithium batteries prepared in accordance with Section I, IA or IB of the lithium battery packing instructions. Also a new mark comes into effect with a 2-year transition period during which time either the lithium battery mark or the lithium battery handling label may be applied to packages containing lithium batteries prepared in accordance with Section IB or Section II of the lithium battery packing instructions. The need for an additional document to accompany the consignments is no longer required.

Section	PI968 - Section IA 	PI969 & PI970 - Section I 
Per Cell: > 1g Per Battery: > 2g	Accepted as Air Capacity Sales (See "Note 2") - CAO: ≤ 35 kg UN specification packaging required Fully regulated dangerous goods - Class 9 – Select " <b>DG</b> " and mention " <b>CAO</b> "	Accepted as Air Capacity Sales (See "Note 2") - PAX: ≤ 5 KG or CAO: ≤ 35 kg UN specification packaging required (only for PI969) Fully regulated dangerous goods - Class 9 – Select " <b>DG</b> " and mention " <b>PAX</b> " or " <b>CAO</b> "

**Note 2:** 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 or transiting an ADR member state.

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