

# LITHIUM ION BATTERIES

Packing Instruction	UN #, Proper Shipping Name	Watt-hr Rating (Cells)	Allowable # of Cells Per Package	Watt-hr Rating (Batteries)	Allowable # of Batteries Per Package	Allowable Net Mass Per Package	Shippers Dec?	Labels	UN Spec Required?	Additional?
PI 965, Section IA	UN3480, Lithium ion batteries	> 20 Wh	NA	>100 Wh	NA	(PAX) Forbidden 35kg (CAO)	Y	9 + CAO Label	Y (PGII)	SOC ≤30%
PI 965, Section IB	UN3480, Lithium ion batteries	>2.7 Wh and ≤20 Wh	NA	> 2.7 Wh and ≤100 Wh	NA	(PAX) Forbidden 10kg (CAO)	Y	9 + Lithium Battery Mark + CAO Label	1.2 m drop test	Packing Instruction # in association with Sec "IB" on Dec. SOC ≤30%
PI 965, Section II ≤1package per consignment	UN3480, Lithium ion batteries	NA	NA	> 2.7 Wh and ≤100 Wh	≤2 Batteries	Forbidden (PAX)	N <sup>1</sup>	9 + Lithium Battery Mark + CAO Label	1.2 m drop test ≤One Package Per Overpack + OP Label	SOC ≤30%
PI 965, Section II ≤1package per consignment	UN3480, Lithium ion batteries	>2.7 Wh and ≤20 Wh	≤8 cells	NA	NA	Forbidden (PAX)	N <sup>1</sup>	9 + Lithium Battery Mark + CAO Label	1.2 m drop test ≤One Package Per Overpack + OP Label	SOC ≤30%
PI 965, Section II ≤1package per consignment	UN3480, Lithium ion batteries	≤2.7 Wh	NA	≤2.7 Wh	NA	Forbidden (PAX) 2.5kg (CAO)	N <sup>1</sup>	9 + Lithium Battery Mark + CAO Label	1.2 m drop test ≤One Package Per Overpack + OP Label	SOC ≤30%
PI 966, Section I	UN3481, Lithium ion batteries packed with equipment	> 20 Wh	Minimum to power equip + 2 spare sets	>100 Wh	Minimum to power equip + 2 spare sets	5kg (PAX) 35kg (CAO)	Y	9	Y (PGII)	
PI 966, Section II	UN3481, Lithium ion batteries packed with equipment	≤20 Wh	Minimum to power equip + 2 spare sets	≤100 Wh	Minimum to power equip + 2 spare sets	5 kg	N <sup>2</sup>	Lithium Battery Mark	1.2 m drop test	
PI 967, Section I	UN3481, Lithium ion batteries contained in equipment	>20 Wh	NA	>100 Wh	NA	5kg (PAX) 35kg (CAO)	Y	9	Suitable material of adequate strength and design.	Packed to prevent accidental activation.
PI 967, Section II	UN3481, Lithium ion batteries contained in equipment	≤20 Wh	NA	≤100 Wh	NA	5 kg	N <sup>3</sup>	Lithium Battery Mark <sup>4</sup>	Suitable material of adequate strength and design.	See PI 967 for RFID tags. Packed to prevent accidental activation.
						1. "Lithium ion batteries, in compliance with Section II of PI965-CAO" on AWB. 2. "Lithium ion batteries, in compliance with Section II of PI966" on AWB. 3. "Lithium ion batteries, in compliance with Section II of PI967" on AWB. 4. Package w/ ≤ 4 cells or ≤ 2 batteries, no handling label or AWB statement required.				

# LITHIUM METAL BATTERIES

Packing Instruction	UN #, Proper Shipping Name	Lithium Content (Cells)	Allowable # of Cells Per Package	Lithium Content (Batteries)	Allowable # of Batteries Per Package	Allowable Net Mass Per Package	Shippers Dec?	Labels	UN Spec Required?	Additional?
PI 968, Section IA	3090, Lithium metal batteries	>1g lithium content	NA	>2g lithium content	NA	(PAX) Forbidden 35kg (CAO)	Y	9 + CAO Label	Y (PGII)	
PI 968, Section IB	3090, Lithium metal batteries	>0.3g and ≤1g lithium content	NA	>0.3g and ≤2g lithium content	NA	(PAX) Forbidden 2.5kg (CAO)	Y	9 + Lithium Battery Mark + CAO Label	1.2 m drop test	Packing Instruction # associated w/ "IB" on shippers declaration
PI 968, Section II ≤1package per consignment	3090, Lithium metal batteries	NA	NA	>0.3g and ≤2g lithium content	≤2 Batteries	(PAX) Forbidden	N <sup>1</sup>	9 + Lithium Battery Mark + CAO Label	1.2 m drop test ≤One Package Per Overpack + OP Label	No consolidations allowed.
PI 968, Section II ≤1package per consignment	3090, Lithium metal batteries	>0.3g and ≤1g lithium content	≤8 cells	NA	NA	(PAX) Forbidden	N <sup>1</sup>	9 + Lithium Battery Mark + CAO Label	1.2 m drop test ≤One Package Per Overpack + OP Label	No consolidations allowed.
PI 968, Section II ≤1package per consignment	3090, Lithium metal batteries	≤0.3g lithium content	NA	≤0.3g lithium content	NA	(PAX) Forbidden 2.5kg (CAO)	N <sup>1</sup>	9 + Lithium Battery Mark + CAO Label	1.2 m drop test ≤One Package Per Overpack + OP Label	No consolidations allowed.
PI 969, Section I	3091, Lithium metal batteries packed with equipment	>1g lithium content	Minimum to power equip + 2 spare	>2g lithium content	Minimum to power equip + 2 spare sets	5kg (PAX) 35kg (CAO)	Y	9	Y (PGII) Packed to prevent accidental activation.	PAX- packed in intermediate /outer rigid metal packaging surrounded by non-conductive /combustible cushioning then inside an outer packaging.
PI 969, Section II	3091, Lithium metal batteries packed with equipment	>0.3g and ≤1g lithium content	Minimum to power equip + 2 spare	>0.3g and ≤2g lithium content	Minimum to power equip + 2 spare sets	5kg (PAX & CAO)	N <sup>2</sup>	Lithium Battery Mark	Packed to prevent accidental activation & 1.2 m drop test.	
PI 970, Section I	3091, Lithium metal batteries contained in equipment	>1g lithium content	NA	>2g lithium content	NA	5kg (PAX) 35kg (CAO)	Y	9	Suitable material of adequate strength and design.	Packed to prevent accidental activation.
PI 970, Section II	3091, Lithium metal batteries contained in equipment	>0.3g and ≤1g lithium content	NA	>0.3g and ≤2g lithium content	NA	5kg (PAX & CAO)	N <sup>3</sup>	Lithium Battery Mark <sup>4</sup>	Suitable material of adequate strength and design.	See PI 970 for RFID tags. Packed to prevent accidental activation.
						1. "Lithium metal batteries, in compliance with Section II of PI968-"CAO" on AWB. 2. "Lithium ion batteries, in compliance with Section II of PI969" on AWB. 3. "Lithium ion batteries, in compliance with Section II of PI970" on AWB. 4. Package w/ ≤ 4 cells or ≤ 2 batteries, no lithium battery mark or AWB statement required.				