



# Product Matrix- Hardware

IATA/DOT Requirements for Air Shipment of Lithium ion/polymer (LiO) and Lithium metal/alloy (LiM) batteries Section II  
DG Program Management spec 080-4197

Visual	Apple System / Devices / Parts <b>revisit standalone batteries ipad and ipad mini</b>	UN Codes	Max number per Multipack / Clusterpack No labels required	# systems per package that require Li- battery label, marks and docs. Do not ship units exceeding max quantities	Cells per battery pack Single cell vs Multi-cell	# of batteries per product	Wh per battery or lithium content	Packing Instruction**	Lithium ion/Lithium metal net weight of battery only kg (heaviest per family)
Stand-alone lithium ion batteries	<b>V18</b> Stand-alone Lithium ion single cell battery > 2.7 Wh ≤ 20 Wh (iPod touch and iPhone)	UN3480	ALWAYS REQUIRE label & documentation	1 to 8	single cell	N/A	≤ 20	PI965 Section II	See specific product for battery weight
	Stand-alone Lithium ion single cell battery ≤ 2.7 Wh (iPod nano, classic and shuffle)	UN3480	ALWAYS REQUIRE label & documentation	2.5 kg maximum net qty per package	single cell	N/A	≤ 20	PI965 Section II	See specific product for battery weight
	<b>V14</b> Stand-alone Lithium ion multicell battery (MacBook)	UN3480	ALWAYS REQUIRE label & documentation	1 to 2	multi-cell	N/A	≤ 100	PI965 Section II	See specific product for battery weight
Lithium ion batteries packed with equipment	System + extra system batteries (maximum spares 2)	UN3481	ALWAYS REQUIRE label & documentation	One or more systems with spare batteries. No more than minimum number to power system plus 2 spares per system is allowed in the package. Total net battery weight ≤ 5 kg	multi-cell	N/A	≤ 100	PI966 Section II	See specific product for battery weight
Lithium ion batteries contained in equipment	<b>V12</b> MacBook Pro Top-case Battery Assembly	UN3481	2	3 - 5	multi-cell	1	≤ 100	PI967 Section II	0.9
	MacBook Air	UN3481	2	3 - 10	multi-cell	1	≤ 100	PI967 Section II	0.47
	<b>V16</b> MacBook Pro	UN3481	2	3 - 5	multi-cell	1	≤ 100	PI967 Section II	0.9
	<b>V17</b> MacBook	UN3481	2	3 - 5	multi-cell	1	≤ 100	PI967 Section II	0.9
	<b>V4, V5, V6</b> iPad	UN3481	2	3 - 23	multi-cell	1	≤ 100	PI967 Section II	0.214
	iPad mini 2nd generation & newer	UN3481	2	3 - 43	multi-cell	1	≤ 100	PI967 Section II	0.115
	iPad Air	UN3481	2	3 - 18	multi-cell	1	≤ 100	PI967 Section II	0.264
	AppleWatch	UN3481	4	5 - 1086	single cell	1	≤ 20	PI967 Section II	0.0046
	<b>V7</b> iPhone	UN3481	4	5 - 83	single cell	1	≤ 20	PI967 Section II	0.06
	<b>V1, V2, V3</b> iPad mini 1st generation	UN3481	4	5 - 53	single cell	1	≤ 20	PI967 Section II	0.094
	<b>V11</b> iPod touch	UN3481	4	5 - 238	single cell	1	≤ 20	PI967 Section II	0.021
<b>V9</b> iPod nano	UN3481	4	5 - 238	single cell	1	≤ 20	PI967 Section II	0.021	
<b>V8</b> iPod classic	UN3481	4	5 - 161	single cell	1	≤ 20	PI967 Section II	0.031	
<b>V10</b> iPod shuffle	UN3481	4	5 - 285	single cell	1	≤ 20	PI967 Section II	0.0175	
Stand-alone lithium metal batteries	Lithium Metal coin cell batteries lithium content ≤ 0.3 g	UN3090	ALWAYS REQUIRE label & documentation	2.5 kg maximum net qty per package	single cell	N/A	≤ 0.3 g	PI968 Section II	0.0032
	Lithium Metal coin cell batteries Lithium content > 0.3 g but less than 1 g	UN3090	ALWAYS REQUIRE label & documentation	8	single cell	N/A	≤ 1g	PI968 Section II	0.0032
Lithium metal packed with equipment	Stand-alone board packed along side lithium metal coin cell	UN3091	ALWAYS REQUIRE label & documentation	One or more boards with spare batteries. No more than minimum number to power board plus 2 spares per board is allowed in the package. Total net battery weight ≤ 5 kg	single cell	N/A	≤ 1g	PI969 Section II	0.0032
Lithium metal batteries contained in equipment	Stand-alone board with lithium metal coin cell installed	UN3091	1562 (≤ 5 kg net battery weight)	N/A	single cell	1	≤ 1g	PI970 Section II	0.0032
	<b>V20</b> iMac installed lithium metal coin cell	UN3091	1562 (≤ 5 kg net battery weight)	N/A	single cell	1	≤ 1g	PI970 Section II	0.0032
Mixed Product	<b>Mixed products NOT allowed</b> Any box containing stand-alone Lithium Ion or Lithium Metal battery with any Lithium Ion or Lithium Metal product	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Apple Accessories	<b>Apple Magic Track Pad</b> 2 - AA Alkaline batteries	N/A	No Limit	N/A	single cell	2	N/A	Not Restricted per IATA SP A123 *	N/A
	<b>Apple Remote, Apple TV w/Remote and Mac mini w/remote</b> 1 - lithium metal coin contained in	N/A	1562 (≤ 5 kg net battery weight)	N/A	single cell	1	≤ 1g	PI970 Section II	0.0032
	<b>Apple Wireless Magic Mouse</b> 2 - AA Alkaline batteries	N/A	No Limit	N/A	single cell	2	N/A	Not Restricted per IATA SP A123 *	N/A
	<b>Apple Wireless Keyboard</b> 2 - AA Alkaline batteries	N/A	No Limit	N/A	single cell	2	N/A	Not Restricted per IATA SP A123 *	N/A
	<b>Apple Battery Charger</b> 6 - NiMH	UN3496 Batteries, nickel metal hydride	No Limit	N/A	single cell	6	N/A	Not Restricted per IATA SP A199*	N/A

\* "Not Restricted per IATA SP A123" or "Not Restricted per IATA SP A199" as appropriate must be indicated on the Air Waybill if one is used.

\*\* If your package requires a Lithium Ion or Lithium Metal Label, and you are using an Air Waybill, you must include the information in this column on your Air Waybill "Lithium Ion batteries in compliance with Section II of PI XXX or Lithium metal batteries in compliance with Section II of PI XXX," inset appropriate PI number in place of XXX.