Welcome

We are happy you decided to ship with us. Please take a few minutes to read the below page thoroughly, including the lithium battery prohibitions section. Our goal is for you to become familiar with the current Lithium Batteries & Cells Shipping Guide by following these simple instructions and for you to use it as an ongoing source for the proper packaging, documentation and labeling of lithium batteries.

**IMPORTANT: Lithium battery prohibitions**
Damaged, defective or recalled batteries are forbidden for air transport. However, batteries having some other defective feature (e.g., batteries with the incorrect model number on the label or batteries not holding enough charge) can still be shipped by air with proper packaging, labeling and documentation.

**For reference**
Lithium battery shipping information for air transport referenced in this guide (including pictured labels) are based on the 2017 International Air Transport Association (IATA) Dangerous Goods Regulations (DGR) 58th Edition section 7.3.18.1, 7.3.18.2, 7.4.2, 7.4.8 and 7.1.C. Lithium battery shipping information for ocean transport referenced in this guide (including pictured labels) are based off the International Maritime Dangerous Goods Code 2014 Edition, 5.2.2.2.2 and the International Maritime Dangerous Goods Code 2016 Edition 5.2.1.10.2 and 5.2.2.2.2.

**Reminders and other disclaimers**
Copyright © 2017 by FedEx Trade Networks Transport & Brokerage, Inc. Reproduction in whole or in part prohibited except by permission. All rights reserved. Information has been obtained from sources believed to be reliable. However, because the underlying rules and regulations may change or be updated, and because of the possibility of human or mechanical error by FedEx Trade Networks Transport & Brokerage, Inc. or others, FedEx Trade Networks Transport & Brokerage, Inc. and its affiliates do not guarantee the accuracy, adequacy, or completeness of any information and are not responsible for any errors, omissions, or for the results obtained from the use of such information. Compliance with the rules, regulations and laws referenced in this tool is the shipper’s responsibility. Shippers should also check with the carrier they are using for any additional restrictions and verify country regulations for any differences that may apply.

I have read through and agree to the above information and terms.
Choose shipping method (Click on your choice)

Ship by air

Ship by ocean
Choose battery type (Click on your choice)

Ship by air

Lithium ion batteries or cells

Lithium metal batteries or cells
Choose package contents (Click on your choice)

- Batteries and cells only
- Packed with equipment (separate in the same package)
- Contained in equipment
Select type and weight (Click on your choice)

Batteries and cells only

- Batteries and cells ≤ 0.3g
- Cells > 0.3g and ≤ 1g
- Cells > 1g and batteries > 2g
- Batteries > 0.3g and ≤ 2g
LITHIUM METAL

Shipping instructions: Batteries & cells only

Packaging
• Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
• UN Specification Packaging is not required
• Maximum 2.5 kg net qty of lithium metal cell or batteries per package “Cargo Aircraft Only” (CAO)

Documentation
• The following statements are required on the waybill: “Lithium Metal Batteries in compliance with Section II of PI968” and “Cargo Aircraft Only” or “CAO”

Required labeling

UN 3090, Lithium Metal Batteries — PI968 Section II
Limit one package per consignment. If more than 1 package, you must send the package under PI968 IB
Confirm with your carrier that they accept section II batteries.

Lithium Batteries & Cells Shipping Guide by Air
Lithium Batteries & Cells Shipping Guide by Air

Select quantity (Click on your choice)

Cells > 0.3g and ≤ 1g

≤ 8 cells

> 8 cells
Lithium Batteries & Cells Shipping Guide by Air

**Packaging**
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.
- UN Specification Packaging is not required.
- Maximum 2.5 kg net qty of lithium metal cell or batteries per package “Cargo Aircraft Only” (CAO).

**Documentation**
- The following statements are required on the waybill: “Lithium Metal Batteries in compliance with Section II of PI968” and “Cargo Aircraft Only” or “CAO.”

**Required labeling**
- **UN 3090, Lithium Metal Batteries — PI968 Section II**
  - Limit one package per consignment. If more than 1 package, you must send the package under PI968 IB.
  - Confirm with your carrier that they accept section II batteries.

- **UN 3090**
  - For more information, call_____________
Shipping instructions: Batteries & cells only

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
- Maximum net weight per package is 2.5 kg
- Cargo Aircraft Only
- UN Specification Packaging is not required

Documentation
- Shipper’s Declaration for Dangerous Goods (with IB noted in the authorization column for the declaration)
- Waybill should have the statement "Dangerous Goods as per attached DGD," and if applicable, "CAO" or "Cargo Aircraft Only"

Required labeling

Cells > 0.3g and < 1g
- > 8 cells

UN 3090, Lithium Metal Batteries — PI968 Section IB
Select quantity (Click on your choice)

- Batteries > 0.3g and ≤ 2g
- ≤ 2 batteries
- > 2 batteries
Lithium Batteries & Cells Shipping Guide by Air

LITHIUM METAL

Shipping instructions: Batteries & cells only

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
- Maximum quantity per package is 2 batteries
- UN Specification Packaging is not required
- Cargo Aircraft Only

Documentation
- The following statements are required on the waybill: “Lithium Metal Batteries in compliance with Section II of PI968” and “Cargo Aircraft Only” or “CAO”

Required labeling

Batteries > 0.3g and < 2g

< 2 batteries

IF DAMAGED
DO NOT LOAD OR TRANSPORT
PACKAGE IF DAMAGED

CAUTION!

Minimum dimension 120mm

Minimum dimension 110mm

FOR MORE INFORMATION, CALL _______________

UN 3090, Lithium Metal Batteries — PI968 Section II | Limit one package per consignment. If more than one package, you must send the package under PI968 IB Confirm with your carrier that they accept section II batteries.
Shipping instructions: Batteries & cells only

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.
- Maximum net weight per package is 2.5 kg
- Cargo Aircraft Only
- UN Specification Packaging is not required

Documentation
- Shipper’s Declaration for Dangerous Goods (with IB noted in the authorization column for the declaration)
- Waybill should have the statement “Dangerous Goods as per attached DGD,” and if applicable, “CAO” or “Cargo Aircraft Only”

Required labeling
- Batteries > 0.3g and < 2g
- > 2 batteries

Batteries > 0.3g and < 2g
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.
- Maximum net weight per package is 2.5 kg
- Cargo Aircraft Only
- UN Specification Packaging is not required

Documentation
- Shipper’s Declaration for Dangerous Goods (with IB noted in the authorization column for the declaration)
- Waybill should have the statement “Dangerous Goods as per attached DGD,” and if applicable, “CAO” or “Cargo Aircraft Only”

Required labeling
- Batteries > 0.3g and < 2g
- > 2 batteries
Shipping instructions: Batteries & cells only

**Packaging**
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.
- Maximum net quantity per package is 35 kg for Cargo Aircraft Only (CAO).
- UN Specification Packaging is not required.

**Documentation**
- Shipper’s Declaration for Dangerous Goods.
- Waybill should have the statement “Dangerous Goods as per attached DGD,” and if applicable, “CAO” or “Cargo Aircraft Only.”

**Required labeling**

- **UN 3090, Lithium Metal Batteries — PI968 Section IA**

  - Valid now through December 31, 2018
  - Valid now and beyond January 1, 2019

**Cells > 1g and batteries > 2g**

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Lithium Batteries & Cells Shipping Guide by Air
Lithium Batteries & Cells Shipping Guide by Air

LITHIUM METAL

Select type and weight (Click on your choice)

Packed with equipment (separate in the same package)

Cells ≤ 1g or batteries ≤ 2g

Cells > 1g or batteries > 2g
Shipping instructions: Packed with equipment

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong outer packaging.
- Equipment must be secured against movement within the outer-packaging, and against accidental activation.
- Maximum number of batteries per package: Those necessary to power the equipment, plus 2 spares.
- Maximum net quantity of lithium metal cells or batteries per package (exclusive of equipment): 5kg.

Documentation
- The following statement is required on the waybill: “Lithium Metal Batteries in compliance with Section II of PI969.

Required Labeling

UN 3091, Lithium Metal Batteries Packed with Equipment — PI969 Section II
LITHIUM METAL
Shipping instructions: Packed with equipment

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong outer packaging.
- Equipment must be secured against movement within the outer-packaging, and against accidental activation.
- If prepared for transport on Passenger Aircraft: 1) Each battery or cell must be packed in either a rigid metal intermediate or a metal outer packaging 2) Each battery or cell must be surrounded by cushioning material that is non-combustible and non-conductive.
- Maximum net quantity per package (exclusive of equipment): 5kg on Passenger and Cargo Aircraft (PAX) or 35 kg for Cargo Aircraft Only (CAO).

Documentation
- Shipper’s Declaration for Dangerous Goods.
- Waybill should have the statement “Dangerous Goods as per attached DGD,” and if applicable, “CAO” or “Cargo Aircraft Only”.

Required Labeling
UN 3091, Lithium Metal Batteries Packed with Equipment — PI969 Section I

Required labeling — valid now through December 31, 2018
Required labeling — valid now and beyond January 1, 2019
Select type and weight (Click on your choice)

- Contained in equipment
- Cells ≤ 1g or batteries ≤ 2g
- Cells > 1g or batteries > 2g
Cells $\leq 1g$ or batteries $\leq 2g$

$\leq 4$ Cells or $\leq 2$ batteries

$> 4$ Cells or $> 2$ batteries
**Shipping instructions:** Contained in equipment

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**Packaging**
- The equipment must be packed in a strong rigid outer packaging constructed of suitable material of adequate strength and design in relation to the packaging’s capacity and its intended use unless the cell or battery is afforded equivalent protection by the equipment in which it is contained.
- Maximum 5 kg net quantity of lithium metal cells or batteries per package (exclusive of equipment).

**Documentation**
- Waybill

**Required labeling**
- Exempt from any marking and labeling requirements for consignments of two packages or less.
- If more than two packages, use the below labels:
  - **CAUTION!**
  - **UN 3091, Lithium Metal Batteries Contained in Equipment — PI970 Section II**

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For more information, call ________________
LITHIUM METAL
Shipping instructions: Contained in equipment

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely enclosed the battery or cell, then placed in a strong rigid outer packaging
- UN Specification Packaging is not required
- Equipment with batteries must be placed in outer packaging of suitable construction and strength so as to provide adequate protection, unless the battery is afforded equivalent protection by the equipment in which it is contained
- Maximum 5 kg net quantity of lithium metal cells or batteries per package (exclusive of equipment) for either “Passenger and Cargo Aircraft” or “Cargo Aircraft Only”

Documentation
- The following statement is required on the waybill: “Lithium Metal Batteries in compliance with Section II of PI970”

Required labeling
- UN 3091, Lithium Metal Batteries Contained in Equipment — PI970 Section II

> 4 Cells or > 2 batteries

OR

Required labeling — valid now through December 31, 2018

OR

Required labeling — valid now and beyond January 1, 2019

UN 3091
Lithium Metal Batteries Contained in Equipment — PI970 Section II
Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.

Maximum net quantity of lithium metal per piece of equipment must not exceed 500 g per battery and 12 g per cell.

Maximum net quantity per package (exclusive of equipment): 5 kg on Passenger and Cargo Aircraft (PAX) or 35 kg for Cargo Aircraft Only Shipments (CAO).

UN Packaging Specifications required.

Shipper’s Declaration for Dangerous Goods.

Waybill should have the statement “Dangerous Goods as per attached DGD,” and if applicable, “CAO” or “Cargo Aircraft Only.”

**Required labeling** — valid now through December 31, 2018

UN 3091, Lithium Metal Batteries Contained in Equipment — PI970 Section I

**Required labeling** — valid now and beyond January 1, 2019

When applicable: 

CARGO AIRCRAFT ONLY

PROHIBITED ON PASSENGER AIRCRAFT

When applicable:

CARGO AIRCRAFT ONLY

PROHIBITED ON PASSENGER AIRCRAFT
Choose package contents (Click on your choice)

- Batteries and cells only
- Packed with equipment (separate in the same package)
- Contained in equipment
Select type and weight (Click on your choice)

- Batteries and cells only
- Batteries and cells ≤ 2.7 Wh
- Batteries > 2.7 Wh, but ≤ 100 Wh
- Cells > 2.7 Wh and ≤ 20 Wh
- Cells > 20 Wh and batteries > 100 Wh
Lithium Batteries & Cells Shipping Guide by Air

**Shipping instructions:** Batteries & cells only

**Batteries and cells only < 2.7 Wh**

**Packaging**
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging.
- For stand alone batteries, the State of Charge (SoC) should not exceed 30% of rated capacity.
- UN Specification Packaging is not required.
- Maximum 2.5 kg net qty per package.

**Documentation**
- The following statements are required on the waybill: “Lithium Ion Batteries in compliance with Section II of PI965” and “CAO” or “Cargo Aircraft Only.”

**Required labeling**
- UN 3480, Lithium Ion Batteries — PI965 Section II
- Limit one package per consignment. If more than 1 package, you must send the package under PI965 IB.
- Confirm with your carrier that they accept section II batteries.

Valid now through December 31, 2018

Valid now and beyond January 1, 2019
Lithium Batteries & Cells Shipping Guide by Air

Select quantity (Click on your choice)

Cells > 2.7 Wh and ≤ 20 Wh

≤ 8 cells per package

> 8 cells per package
Lithium Batteries & Cells Shipping Guide by Air

LITHIUM ION

Shipping instructions: Batteries & cells only

Packaging

- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
- For stand alone batteries, the State of Charge (SoC) should not exceed 30% of rated capacity
- UN Specification Packaging is not required
- Maximum 8 cells per package

Documentation

- The following statements are required on the waybill: “Lithium Ion Batteries in compliance with Section II of PI965” and “CAO” or “Cargo Aircraft Only”

Required labeling

- Cells > 2.7 Wh and ≤ 20 Wh
  - ≤ 8 cells per package

- IF DAMAGED
  - DO NOT LOAD OR TRANSPORT
  - PACKAGE IF DAMAGED

CAUTION!

Minimum dimension 120mm
Minimum dimension 110mm

For more information, call_____________

UN 3480, Lithium Ion Batteries — PI965 Section II
| Limit one package per consignment. If more than 1 package, you must send the package under PI965 IB confirm with your carrier that they accept section II batteries.
LITHIUM ION
Shipping instructions: Batteries & cells only

Packaging
• Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
• For stand alone batteries, the State of Charge (SoC) should not exceed 30% of rated capacity
• UN Specification Packaging is not required
• Maximum 10 kg net weight per package

Documentation
• Shipper’s Declaration for Dangerous Goods (with IB noted in the authorization column of the declaration)
• The following statements are required on the waybill: “Dangerous Goods as per attached DGD” or “Dangerous Goods as per attached Shipper’s Declaration” and “CAO” or “Cargo Aircraft Only”

Required labeling
UN 3480, Lithium Ion Batteries — PI965 Section IB

Cells > 2.7 Wh and ≤ 20 Wh
> 8 cells
Select quantity (Click on your choice)

Batteries > 2.7 Wh, but ≤ 100Wh

≤ 2 batteries per package

> 2 batteries per package
LITHIUM ION
Shipping instructions: Batteries & cells only

Packaging
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging
- For stand alone batteries, the State of Charge (SoC) should not exceed 30% of rated capacity
- UN Specification Packaging is not required
- Maximum 2 batteries per package

Documentation
- The following statements are required on the waybill: “Lithium Ion Batteries in compliance with Section II of PI965” and “CAO” or “Cargo Aircraft Only”

Required labeling

UN 3480, Lithium Ion Batteries — PI965 Section II | Limit one package per consignment. If more than 1 package, you must send the package under PI965 IB
Confirm with your carrier that they accept section II batteries.
Lithium Batteries & Cells Shipping Guide by Air

Batteries > 2.7 Wh, but < 100 Wh
> 2 batteries per package

**Shipping instructions:** Batteries & cells only

**Packaging**
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.
- For stand alone batteries, the State of Charge (SoC) should not exceed 30% of rated capacity.
- UN Specification Packaging is not required.
- Maximum 10 kg net weight per package.

**Documentation**
- Shipper’s Declaration for Dangerous Goods (with IB noted in the authorization column of the declaration).
- The following statements are required on the waybill: “Dangerous Goods as per attached DGD” or “Dangerous Goods as per attached Shipper’s Declaration” and “CAO” or “Cargo Aircraft Only.”

**Required labeling**
- UN 3480, Lithium Ion Batteries — PI965 Section IB

**Valid labeling**
- Required labeling — valid now through December 31, 2018
- Required labeling — valid now and beyond January 1, 2019
Lithium Batteries & Cells Shipping Guide by Air

Shipping instructions: Batteries & cells only

Packaging
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong outer packaging
- Maximum net quantity per package is 35 kg for Cargo Aircraft only (CAO)
- For stand alone batteries, the State of Charge (SoC) should not exceed 30% of rated capacity
- UN Specification Packaging required
- Fully Regulated

Documentation
- Shipper’s Declaration for Dangerous Goods
- Waybill should have the statement “Dangerous Goods as per attached DGD,” and if applicable, “CAO” or “Cargo Aircraft Only”

Required labeling

Cells > 20 Wh and batteries > 100 Wh

UN 3480, Lithium Ion Batteries — PI965 Section IA
Select type and weight (Click on your choice)

- **Packed with equipment** (separate in the same package)

- **Cells ≤ 20 Wh or batteries ≤ 100 Wh**

- **Cells > 20 Wh or batteries > 100 Wh**
Lithium Batteries & Cells Shipping Guide by Air

**Cells ≤ 20 Wh or batteries ≤ 100 Wh**

**Shipping instructions:** Packed with equipment

**Packaging**
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging.
- The equipment must also be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.
- Maximum number of batteries or cells per package: Those necessary to power the equipment, plus 2 spares.
- Maximum net quantity of lithium batteries or cells per package = 5 kg per package.

**Documentation**
- The following statement is required on the waybill: “Lithium Ion Batteries in compliance with Section II of PI966.”

**Required labeling**

- **UN 3481, Lithium Ion Batteries Packed with Equipment — PI966 Section II**

- **Cells < 20 Wh or batteries < 100 Wh**

  - IF DAMAGED
    - DO NOT LOAD OR TRANSPORT
    - PACKAGE IF DAMAGED

  - CAUTION!
    - Minimum dimension 120mm
    - Minimum dimension 110mm

  - For more information, call ________

  - UN 3481, valid now through December 31, 2018

  - OR

  - Required labeling — valid now and beyond January 1, 2019
Lithium Batteries & Cells Shipping Guide by Air

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
- UN Specification Packaging is required
- Maximum number of batteries includes those necessary to power the equipment plus 2 spares
- Maximum 5 kg net qty of lithium-ion cell or batteries per package (exclusive of equipment) for "Passenger and Cargo Aircraft" (PAX) and 35 kg for Cargo Aircraft Only Shipments (CAO)

Documentation
- Shipper’s Declaration for Dangerous Goods
- Waybill should have the statement "Dangerous Goods as per attached DGD," and if applicable, "CAO" or "Cargo Aircraft Only"

Required labeling
- UN 3481, Lithium Ion Batteries Packed with Equipment — PI966 Section I
- Cells > 20 Wh or batteries > 100 Wh
- Also, when applicable:
  - Required labeling — valid now through December 31, 2018
  - Required labeling — valid now and beyond January 1, 2019
LITHIUM ION
Select type and weight (Click on your choice)

Contained in equipment

Cells < 20 Wh or batteries < 100 Wh

Cells > 20 Wh or batteries > 100 Wh
LITHIUM ION

Select quantity (Click on your choice)

Cells ≤ 20 Wh or batteries ≤ 100 Wh

< 4 Cells or ≤ 2 batteries

> 4 Cells or > 2 batteries
Shipping instructions: Contained in equipment

Packaging
- The equipment must be packed in strong rigid outer packaging constructed of suitable material of adequate strength and design in relation to the packaging’s capacity and its intended use unless the cell or battery is afforded equivalent protection by the equipment in which it is contained
- Maximum net quantity of lithium batteries or cells: 5kg (exclusive of equipment)

Documentation
- Waybill

Required labeling
- Exempt from any marking and labeling requirements for consignments of two packages or less
- If more than two packages, use the below labels

< 4 Cells or < 2 batteries

UN 3481, Lithium Ion Batteries Contained in Equipment — PI967 Section II

CAUTION!
Lithium Ion Battery
DO NOT LOAD OR TRANSPORT PACKAGES IF DAMAGED

Required labeling —
valid now through December 31, 2018

UN 3481
For more information, see

Required labeling —
valid now and beyond January 1, 2019
Shipping instructions: Contained in equipment

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
- UN Specification Packaging is not required
- Devices with batteries must be placed in an outer packaging of suitable construction and strength so as to provide adequate protection, unless the battery is afforded equivalent protection by the equipment in which it is contained
- Maximum 5 kg net qty of lithium-ion cell or batteries per package (exclusive of equipment)

Documentation
- The following statement is required on the waybill: “Lithium Ion Batteries in compliance with Section II of PI967”

Required labeling
- For more information, call ________________

UN 3481, Lithium Ion Batteries Contained in Equipment — PI967 Section II

> 4 Cells or > 2 batteries

Required labeling — valid now through December 31, 2018

Required labeling — valid now and beyond January 1, 2019
Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.

UN Specification Packaging is required.

Maximum 5 kg net qty of lithium-ion cell or batteries per package (exclusive of equipment) for “Passenger and Cargo Aircraft” (PAX) and 35 kg for Cargo Aircraft Only Shipments (CAO).

Shipper’s Declaration for Dangerous Goods.

Waybill should have the statement “Dangerous Goods as per attached DGD,” and if applicable, “CAO” or “Cargo Aircraft Only.”

Required labeling valid now through December 31, 2018

UN 3481, Lithium Ion Batteries Contained in Equipment — PI967 Section I

Cells > 20 Wh and batteries > 100 Wh
Choose battery type (Click on your choice)

- Ship by ocean
- Lithium ion batteries or cells
- Lithium metal batteries or cells
Choose package contents (Click on your choice)

- Batteries and cells only
- Packed with equipment (separate in the same package)
- Contained in equipment
Lithium Batteries & Cells Shipping Guide by Ocean

Select type and weight (Click on your choice)

- Batteries and cells only
- Cells ≤ 20 Wh or batteries ≤ 100 Wh
- Cells > 20 Wh and batteries > 100 Wh
Shipping instructions: Batteries & cells only

Packaging
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging.
- Maximum 30 kgs gross per package.

Documentation
- Waybill

Required labeling
- Cells ≤ 20 Wh and batteries ≤ 100 Wh

Lithium ion battery
CAUTION!
Minimum dimension 120mm

UN 3480, Lithium Ion Batteries Complying with Special Provision 188

Required labeling — valid now through December 31, 2018

UN 3480
For more information, call ____________

Required labeling — valid now and beyond January 1, 2019
Lithium Batteries & Cells Shipping Guide by Ocean

Shipping instructions: Batteries & cells only

Packaging
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging
- Maximum gross quantity per package 30 kg
- UN Specification Packaging required
- Fully Regulated

Documentation
- Shipper’s Declaration
- Waybill

Required labeling
- UN 3480, Lithium Ion Batteries — Fully Regulated
  - Required labeling — valid now through December 31, 2018
  - Required labeling — valid now and beyond January 1, 2019

Cells > 20 Wh and batteries > 100 Wh
Lithium Batteries & Cells Shipping Guide by Ocean

Select type and weight (Click on your choice)

- Packed with equipment (separate in the same package)
- Cells ≤ 20 Wh or batteries ≤ 100 Wh
- Cells > 20 Wh or batteries > 100 Wh
Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging.

The equipment must also be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.

**Packaging**

**Documentation**

- Waybill

**Required labeling**

- UN 3481, Lithium Ion Batteries Packed with Equipment or Contained in Equipment Complying with SP 188

For more information, call _______________
LITHIUM ION
Shipping instructions: Packed with equipment

Packaging
• Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging
• UN Specification Packaging is required

Documentation
• Shipper’s Declaration
• Waybill

Required labeling

Cells > 20 Wh or batteries > 100 Wh

UN 3481, Lithium Ion Batteries Packed with Equipment or Contained in Equipment — Fully Regulated
Select type and weight (Click on your choice)

- Contained in equipment
- Cells ≤ 20 Wh or batteries ≤ 100 Wh
- Cells > 20 Wh or batteries > 100 Wh
Cells ≤ 20 Wh or batteries ≤ 100 Wh

< 4 Cells or ≤ 2 batteries

> 4 Cells or > 2 batteries
Shipping instructions: Contained in equipment

Packaging
- The equipment must be packed in strong rigid outer packaging constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the cell or battery is afforded equivalent protection by the equipment in which it is contained
- No more than 4 cells or 2 batteries contained in equipment

Documentation
- Waybill

Required labeling
- Exempt from any marking and labeling requirements for consignments of two packages or less
- If more than two packages, use the below labels

UN 3481, Lithium Ion Batteries Packed with Equipment or Contained in Equipment Complying with SP 188
Shipping instructions: Contained in equipment

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.
- The equipment must also be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.

Documentation
- Waybill

Required labeling
- CAUTION!
- Lithium ion battery. Do not load or transport packed in or with damaged packaging.
- Minimum dimension 120mm
- Minimum dimension 110mm

UN 3481, Lithium Ion Batteries Packed with Equipment or Contained in Equipment Complying with SP 188

For more information, call ____________

Required labeling — valid now through December 31, 2018

Required labeling — valid now and beyond January 1, 2019

> 4 Cells or > 2 batteries
Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.

UN Specification Packaging is required.

- Shipper’s Declaration
- Waybill

Required labeling:

- UN 3481, Lithium Ion Batteries Packed with Equipment or Contained in Equipment — Fully Regulated

Cells > 20 Wh and batteries > 100 Wh

Required labeling — valid now through December 31, 2018

Required labeling — valid now and beyond January 1, 2019
LITHIUM METAL

Choose package contents  (Click on your choice)

Batteries and cells only

Packed with equipment (separate in the same package)

Contained in equipment
Select type and weight (Click on your choice)

- Batteries and cells only
- Cells with lithium content ≤ 1g or batteries ≤ 2g
- Cells with lithium content > 1g and batteries > 2g
LITHIUM METAL

Shipping instructions: Batteries & cells only

Packaging
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging
- UN specification is not required
- Maximum 30 kgs gross per package

Documentation
- Waybill

Required labeling

Cells with lithium content < 1g or batteries < 2g

UN 3090, Lithium Metal Batteries Complying with Special Provision 188

Required labeling — valid now through December 31, 2018

Required labeling — valid now and beyond January 1, 2019

OR

UN 3090

For more information, call ___________
LITHIUM METAL

Shipping instructions: Batteries & cells only

- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
- UN specification is not required
- Fully Regulated

Documentation
- Shipper’s declaration
- Waybill

Required labeling

UN 3090, Lithium Metal Batteries — Fully Regulated

Cells with lithium content > 1g and batteries > 2g

Required labeling — valid now through December 31, 2018

Required labeling — valid now and beyond January 1, 2019
LITHIUM METAL

Select type and weight (Click on your choice)

Packed with equipment (separate in the same package)

Cells with lithium content ≤ 1g or batteries ≤ 2g

Cells with lithium content > 1g and batteries > 2g
Lithium Batteries & Cells Shipping Guide by Ocean

**Packaging**
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging.
- The equipment must also be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.

**Documentation**
- Waybill

**Required labeling**
- UN 3091, Lithium Metal Batteries Packed with Equipment or Contained in Equipment Complying with SP 188

Cells with lithium content < 1g or batteries < 2g

| CAUTION! |
|___________|
| Lithium metal DO NOT USE OR TRANSPORT PROCEDURES IF DAMAGED |

Required labeling — valid now through December 31, 2018

UN 3091, Lithium Metal Batteries Packed with Equipment or Contained in Equipment Complying with SP 188

For more information, call_____________
Lithium Batteries & Cells Shipping Guide by Ocean

Shipping instructions: Packed with equipment

Packaging
- Each battery and cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery and cell, then placed in a strong rigid outer packaging
- UN Specification Packaging is required

Documentation
- Shipper’s Declaration
- Waybill

Required labeling
- UN 3091, Lithium Metal Batteries Packed with Equipment or Contained in Equipment — Fully Regulated

United States
- UN 3091, Lithium Metal Batteries Packed with Equipment or Contained in Equipment — Fully Regulated

Valid through December 31, 2018

Required labeling — valid now and beyond January 1, 2019

Lithium Batteries & Cells Shipping Guide by Ocean
Select type and weight (Click on your choice)

- **Contained in equipment**
- **Cells with lithium content ≤ 1g or batteries ≤ 2g**
- **Cells with lithium content > 1g and batteries > 2g**
Cells with lithium content 
≤ 1g or batteries ≤ 2g

< 4 Cells or ≤ 2 batteries

> 4 Cells or > 2 batteries
Lithium Batteries & Cells Shipping Guide by Ocean

Shipping instructions: Contained in equipment

Packaging
- The equipment must be packed in strong rigid outer packaging constructed of suitable material of adequate strength and design in relation to the packaging’s capacity and its intended use unless the cell or battery is afforded equivalent protection by the equipment in which it is contained
- No more than 4 cells or 2 batteries contained in equipment

Documentation
- Waybill

Required labeling
- Exempt from any marking and labeling requirements for consignments of two packages or less
- If more than two packages, use the below labels

< 4 Cells or < 2 batteries

Required labeling — valid now through December 31, 2018

UN 3091, Lithium Metal Batteries Contained in Equipment Complying with Special Provision 188

OR

UN 3091, valid now and beyond January 1, 2019

FOR MORE INFORMATION, CALL _______________
Lithium Batteries & Cells Shipping Guide by Ocean

**Shipping instructions:** Contained in equipment

**Packaging**
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging.
- The equipment must also be secured against any movement within the outer packaging and must be equipped with an effective means of preventing accidental activation.

**Documentation**
- Waybill

**Required labeling**

<table>
<thead>
<tr>
<th>&gt; 4 Cells or &gt; 2 batteries</th>
</tr>
</thead>
</table>

UN 3091, Lithium Metal Batteries Packed with Equipment or Contained in Equipment Complying with SP 188

Required labeling — valid now through December 31, 2018

Required labeling — valid now and beyond January 1, 2019

For more information, call _______________
LITHIUM METAL

Shipping instructions: Batteries & cells only

Cells with lithium content > 1g and batteries > 2g

Packaging
- Each battery or cell must be protected against a short circuit and placed in an inner packaging that completely encloses the battery or cell, then placed in a strong rigid outer packaging
- UN Specification Packaging is required

Documentation
- Shipper’s Declaration
- Waybill

Required labeling

UN 3091, Lithium Metal Batteries Packed with Equipment or Contained in Equipment — Fully Regulated

Required labeling — valid now through December 31, 2018

Required labeling — valid now and beyond January 1, 2019

OR