

**Start**



# ***Lithium Batteries***

**Carriage Policy 2017 Tool**



## Question 1

What type of battery are you shipping?

### Lithium Ion Battery

Rechargeable batteries found in consumer electronics.



### Lithium Metal Battery

Non re-chargeable longer life batteries. Can be used in items such as cameras or toys.



Select the answer to each question from the choices in the blue boxes.

## Question 2

How are they being shipped?

Packed Loose



Contained within  
Equipment



Packed with  
Equipment



## Question 3

How many watt-hours (Wh) does the battery or cell have?

Cells or Batteries  
equal to or less  
than 2.7Wh

Cells equal to or  
less than 20Wh  
Batteries equal to  
or less than  
100Wh

Cells greater than  
20Wh  
Batteries greater  
than 100Wh

A cell is a single  
powered unit  
A battery is  
a combination of two  
or more cells  
electrically connected

For batteries manufactured since January 2009, the watt-hours must be marked on the outside of the battery.

Use the formula Ampere hours x Voltage if the watt-hours are not marked in the battery.

## *Outcome*

These batteries can be shipped by Road only.

For lithium ion batteries  
packed loose  
equipment containing  
cells or batteries less  
than 2.7Wh

Our company limit per  
package is 5kg battery  
weight.

Packaging must comply  
with UN3480  
PI903 SP188

This label must be  
displayed clearly on the  
parcel

A diagram of a rectangular label with a red dashed border. Inside the border, there is an illustration of a lithium ion battery with a flame and smoke coming out of it, indicating a fire hazard. Below the illustration, there are two lines of text: '\* Place for UN Number(s)' and '\*\* Place for telephone number for additional information'. To the left of the label, there are two dimension lines: one for the width labeled 'Maximum dimension 110 mm' and one for the height labeled 'Maximum dimension 120 mm'.

## *Outcome*

These batteries can be shipped by Road only.

For Lithium ion batteries,  
packed loose equipment  
containing cells or batteries  
greater than 2.7 Wh  
but less than 20Wh  
(cells) / 100  
Wh (batteries)

Our company limit per  
package is 5kg battery  
weight.

Packaging must comply  
with UN3480  
PI903 SP188



### Question 3

How many watt-hours (Wh) does the battery or cell have?

Cells equal to or less than 20Wh  
Batteries equal to or less than 100Wh

Cells greater than 20Wh  
Batteries greater than 100Wh

A cell is a single powered unit  
A battery is a combination of two or more cells electrically connected

For batteries manufactured since January 2009, the watt-hours must be marked on the outside of the battery.

Use the formula Ampere hours x Voltage if the watt-hours are not marked in the battery.

## *Outcome*

These batteries can be shipped by Road only.

For lithium ion batteries,  
contained within  
equipment containing  
cells equal to or less  
than 20Wh / Batteries  
equal to or less than  
100Wh

Our company limit per  
package is 5kg battery  
weight.

Packaging must comply  
with UN3481 P1903 SP188

This label must be  
displayed clearly on the  
parcel

A diagram of a rectangular label with a red dashed border. Inside the border, there is an illustration of a lithium-ion battery with a flame icon next to it, indicating a fire hazard. Below the illustration, there are two lines of text: "Minimum dimension 110 mm" and "Minimum dimension 130 mm". To the left of the label, there are two small asterisks and text: "\* Place for UN Number(s)" and "\*\* Place for telephone number for additional information".

\* Place for UN Number(s)  
\*\* Place for telephone number for additional information



### Question 3

How many watt-hours (Wh) does the battery or cell have?

Cells equal to or less than 20Wh  
Batteries equal to or less than 100Wh

Cells greater than 20Wh  
Batteries greater than 100Wh

A cell is a single powered unit  
A battery is a combination of two or more cells electrically connected

For batteries manufactured since January 2009, the watt-hours must be marked on the outside of the battery.

Use the formula  $\text{Ampere hours} \times \text{Voltage}$  if the watt per hour is not marked in the battery.

## *Outcome*

These batteries can be shipped by Road only.

For lithium ion batteries,  
packed with equipment  
containing cells equal to  
or less than 20Wh /  
Batteries equal to or less  
than 100Wh

Our company limit per  
package is 5kg battery  
weight.

Packaging must comply  
with UN3481  
PI903 SP188



## Question 2

How are they being shipped?

Packed Loose



Contained within  
Equipment



Packed with  
Equipment



### Question 3

How much Lithium is contained in the battery?

Cells equal to or  
less than 1g

Batteries equal  
to or less than 2g

Cells greater  
than 1g

Batteries greater  
than 2g

A cell is a single powered unit

A battery is a combination of two or more cells electrically connected

## *Outcome*

These batteries can be shipped by Road only.

For lithium metal batteries, contained within equipment cells containing equal to or less than 1g of lithium / Batteries containing equal to or less than 2g

Our company limit per package is 5kg battery weight.

Packaging must comply with UN3090  
PI903 SP188

This label must be displayed clearly on the parcel



### *Question 3*

How much Lithium is contained in the battery?

Cells equal to or  
less than 1g

Batteries equal to  
or less than 2g

Cells greater than  
1g

Batteries greater  
than 2g

A cell is a single powered unit

A battery is a combination of two or more cells electrically connected

## *Outcome*


These batteries can be shipped by Road only.

For lithium metal batteries, contained within equipment cells containing equal to or less than 1g of lithium / Batteries containing equal to or less than 2g

Our company limit per package is 5kg battery weight.

Packaging must comply with UN3091  
PI903 SP188

This label must be displayed clearly on the parcel

A diagram of a rectangular label with a red dashed border. Inside the border, there is an illustration of several lithium batteries, some upright and some lying down, with a small flame icon next to one of them. Below the illustration, there are two horizontal dimension lines: one labeled 'Maximum dimension 120 mm' and another labeled 'Minimum dimension 110 mm'. To the left of the label, there is text: '\* Place for UN Number(s)' and '\*\* Place for telephone number for additional information'.

### *Question 3*

How much Lithium is contained in the battery?

Cells equal to or  
less than 1g

Batteries equal to  
or less than 2g

Cells greater than  
1g

Batteries greater  
than 2g

A cell is a single powered unit

A battery is a combination of two or more cells electrically connected



## *Outcome*


These batteries can be shipped by Road only.

For lithium metal batteries, packed with equipment cells containing equal to or less than 1g of lithium / Batteries containing equal to or less than 2g

Our company limit per package is 5kg battery weight.

Packaging must comply with UN3091  
PI903 SP188

This label must be displayed clearly on the parcel

A diagram of a rectangular label with a red dashed border. Inside the border, there is an illustration of a lithium battery with a flame coming out of it, indicating a fire hazard. Below the illustration, there are two lines of text: 'Minimum dimension 110 mm' and 'Minimum dimension 130 mm'. To the left of the label, there are two small asterisks and the text 'Place for UN Number(s)' and 'Place for telephone number for additional information'.

\*\* Place for UN Number(s)  
\*\* Place for telephone number for additional information



*Outcome*

Unfortunately we are unable to ship these type of batteries.

Unable to carry

Start again