

Lithium Battery Classification

The tables shown below are not contained in the regulations. They were compiled from the information contained in the appropriate regulation.

49 CFR

Steps for using the table are as follows:

1. Determine if you are dealing with a **cell** or a **battery**.
2. Determine if it is **Lithium metal** (non-rechargeable) or **Lithium ion** (rechargeable).
3. Compare the **Lithium Content (g Li)** or **Watt-hour (Wh)** to criteria for sizes.

Battery and Cell Category Criteria

Cells	Small (not more than)	Medium (not more than)	Large (more than)
Lithium metal	1 g Li	5 g Li	5 g Li
Lithium ion	20 Wh	60 Wh	60 Wh
Batteries			
Lithium metal	2 g Li	25 g Li	25 g Li
Lithium ion	100 Wh	300 Wh	300 Wh

IATA and the IMDG Code.

Steps for using the table are as follows:

1. Determine if you are dealing with a **cell** or a **battery**.
2. Determine if it is **Lithium metal** (non-rechargeable) or **Lithium ion** (rechargeable).
3. Compare the **Lithium Content (g Li)** or **Watt-Hour (Wh)** rating to criteria for sizes.

Cells	Small (not more than)	Large (more than)
Lithium metal	1 g Li	1 g Li
Lithium ion	20 Wh	20 Wh
Batteries		
Lithium metal	2 g Li	2 g Li
Lithium ion	100 Wh	100 Wh

Notice that the criteria for “small” cells and batteries is identical in all of the transport regulations.