

# **Un3481 lithium ion batteries contained in equipment**





## Overview

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- 航空運送物の危険物輸送に関する国際条約 •

1963年9月に締結された「危険物の航空輸送に関する条約」(UN)は、ICAOが主催し、IATAが事務局を務める。MOはADRを定める。



## Un3481 lithium ion batteries contained in equipment



[?????????????????? ????967 UN3481](#)

UN3481 AIR SHIPMENTS 65th IATA - 2024. 2024. Only trained hazmat employees may ship lithium batteries using this guide. DG Shipping Guide: 5-PI 967, Lithium Ion Batteries ...

### LITHIUM BATTERY GUIDE FOR SHIPPERS

o UN3481, Lithium ion batteries contained in equipment including lithium ion polymer batteries o Vehicles--Package or shipment contains a vehicle powered by lithium batteries:



[?????????????????? ????967 UN3481](#)

? II ?? ? I ?? UN3481 Lithium metal batteries contained in equipment ??? - 20 Wh/??, 100 Wh / ?? ??? - ??20 Wh/??, 100 Wh/?? ??????? 5 ??,????????? ??? UN??????????????12 ??? ????????: 5 - PI 967



### Shipping Guidelines for Lithium Ion Batteries

o UN 3481 Lithium ion batteries contained in equipment o UN 3481 Lithium ion batteries packed with equipment In individual cases, a dangerous goods expert should be consulted. Local authorities are responsible for the



interpretation and implementation of the



**LFP12V100**



**UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION**

ADR data for UN3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries) This website uses cookies in order to provide the best user experience.

**UN3481**

The batteries UN3481 are lithium ion batteries, rechargeable, contained in or packed with equipment. The lithium ion batteries UN3481 are classified: Class 9 - UN3481 - Lithium ion batteries contained in or packed with the equipment, but not attached to the source.



**IMDG ?????? ???**

o UN3091, LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT "?????????????" "?????????????????" o UN3480 LITHIUM ION BATTERIES ?????? o LITHIUM ION



### LITHIUM METAL BATTERIES

Lithium Ion Batteries packed with equipment UN3481, P.I. 966 Lithium Ion Batteries contained in equipment UN3481, P.I. 967 Section II Acceptable to most locations. Cells equal to or less than 20Wh; and Batteries equal to or less than 100Wh installed in

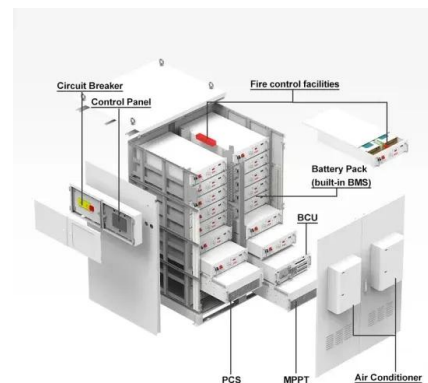


[UN??3481-????????????????????](#)

UN??3481-????????????????????, (????????)-LITHIUMION BATTERIES CONTAINED IN EQUIPMENT or LITHIUMION BATTERIES ...

### Dangerous Goods Guide

UN3481 Lithium ion batteries contained in equipment meeting the provisions of Section II of Packing Instruction 967 of the IATA Regulations. No more than four cells or two batteries may be mailed in any single package. Lithium battery mark labels are not required for



[Material Safety Data Sheet](#)

UN No.: UN3481 Proper Shipping Name: Lithium Ion Batteries contained in equipment Lithium ion batteries in compliance with Section II of PI967 Product: A-037-001650SAA,3.7V 1.65Ah 6.1Wh Li Polymer Battery Date: January 06, 2017 No.: M20170106



### Transport of Lithium Metal and Lithium Ion Batteries

o UN 3481, Lithium ion batteries contained in equipment; or o UN 3481, Lithium ion batteries packed with equipment . Lithium battery test summary - except for button cells installed in ...



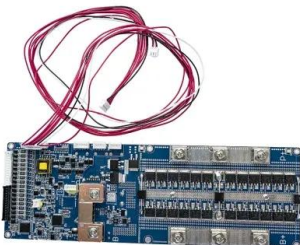
### Transport of Lithium Metal and Lithium Ion Batteries

Lithium-ion batteries are generally used to power devices such as mobile telephones, laptop computers, tablets, power tools and e-bikes. Figure 2 - Example of Lithium Ion Cells and ...



### LITHIUM BATTERIES (UN3090, UN3091, UN3480, UN3481)

UN3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT, 9, (E) Total Quantity of DG The number and description of the packages, total quantity of each item, tunnel restriction codes when assigned.



[????3481|UN3481|??????????\(????](#)

UN3481 ?????  
??????????(????????????????????)(?????????????) ????  
LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT(including lithium ion polymer batteries) ??????? 9 ????-?????-??? S 2



Lithium-ion Battery Pack - UN3481 or UN3480

Is a lithium-ion battery pack considered UN3481, Lithium-ion batteries contained in equipment, or UN3480, Lithium-ion batteries? This is a question that arises from time to time from our clients, most recently last week. A client called our helpdesk line to get



**Lithium ion batteries contained in equipment including lithium ion**

Substance information for UN 3481 - Lithium ion batteries contained in equipment including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist in preparing a risk assessment for loading, transporting and storing

Lithium Battery Shipping Overview

Lithium Battery Shipping Overview PGH Safety Jan 2024  
oProhibited on passenger aircraft  
marking for lithium batteries: oExcept when lithium ion cells (



**Lithium ion batteries contained in equipment including lithium ion**

Substance information for UN 3481 - Lithium ion batteries contained in equipment including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist ...



### Lithium ion batteries contained in equipment Packages 2024 UN3481 ...

UN3481 Lithium ion batteries contained in equipment UN3481, Lithium ion batteries contained in equipment, 9 F-A, S-I DG Shipping Guide: 25-Lithium Ion Batteries, Contained in Equipment, Excepted SP188 DG Shipping Guide: 21-PI P903, Lithium 1/2/2024



### [Lithium Ion Batteries Regulations](#)

UN 3481 -PI966 UN3481 - PI967 Section PI965-Section IB PI966 - Section II PI967 packed with equipment Lithium Cells / Batteries contained in equipment Lithium ion cells / batteries capacity Per cell:

### UN3481 Lithium Ion Batteries packed with Equipment

UN3481 Lithium ion batteries contained in equipment & UN3091 Lithium metal batteries packed with equipment Below statement MUST be indicated on FedEx Air Waybill (if fulfilled the above requirements):



### SAFETY DATA SHEET

UN3480 Lithium-ion batteries; UN3481 Lithium-ion batteries packed with or contained in equipment; Class 9. Milwaukee Lithium-ion batteries are to be shipped in compliance with relevant requirements of HMR "49 CFR173.185". CANADA TRANSPORT



### Interactive Guide to Shipping Lithium Batteries

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 Allowable Net Mass Per Package



### [Lithium Battery Guidance Document](#)

UN3481,????????????(lithium ion batteries packed with equipment) In the absence of exceptions, these batteries must be shipped in quantities that comply with the



### ?? ??? ?? ?? ?? 4 (UN3481 Lithium ion batteries

UN3481 Lithium ion batteries contained in equipment ?? ?? ???? ??? ??? ? ?? ?? ?? (PI967) (PI967?? Section I ? II? ?? ?) ex) ??? ?? Section II ? ??? ?? ??????.-



### IATA Instrucciones para Transporte Aéreo UN3481, LITHIUM ION BATTERIES

UN3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT Los datos de prueba de la Batería Baterías o celdas de litio deben de cumplir los requerimientos de prueba indicados en el manual de prueba y criterio UN, parte III, subsección 38.3 Celdas y





## Transporting Batteries

LITHIUM ION BATTERIES (including lithium ion polymer batteries) 34, 123, 137, 138, 149,159  
UN3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries) or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT 34,



### [SEA AND ROAD FREIGHT COMPLIANCE SUMMARY](#)

UN3480 - Lithium Ion Batteries  
UN3481 - Lithium Ion Batteries packed with Equipment  
UN3481 - Lithium Ion Batteries contained in Equipment  
UN3090 - Lithium Metal Batteries  
UN3091 - Lithium Metal Batteries packed with Equipment  
UN3091 - Lithium Metal

### Lithium Ion Batteries Section IA Section IB Section II FULLY ...

UN Number - UN3481  
Proper shipping name - Lithium ion batteries contained in equipment  
Strong Outer packaging (See PI for Types)  
Protection against short circuit or arching  
Label required  
Class 9 Lithium battery handling label  
Note: if the package contains



### [Lithium ION batteries Summary Sheet](#)

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





**ADR 2023 , UN 3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or**

LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries) Technical name (SP 274, 318, 61, 220) Alternative PSN Class 9 Classification code M4 Packing group 9A



[Lithium Batteries Guidance](#)

2024 Lithium Batteries Regulations: Lithium Ion Batteries. Step 2 - How are you shipping them? Tip: Click the below buttons to get more details. Batteries / cells only. Batteries / cells packed with equipment (separately in the same package). Batteries / cells

## Contact Us

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