



What is a 3480 or 3481 lithium ion battery?

UN-No: 3480 or 3481 Lithium-Ion Batteries and Lithium-Ion batteries contained in equipment or packed with equipment. 07: ADR/RID Requirements Transit by road

Why are lithium batteries labeled with un3480 or un3481?

Compliance with Shipping Regulations: Properly labeling lithium batteries with UN3480 or UN3481 ensures compliance with shipping regulations. It helps shipping carriers and handlers identify the contents of the package and handle them appropriately. Q1: Why don't UPS use lithium batteries?

What does un3481 mean on a battery label?

Batteries Packed with or Contained in Equipment(UN3481): If you are shipping lithium-ion batteries that are part of a device or packed with equipment, use a battery label with UN3481. This label highlights that the batteries are packed together with or contained in equipment.

What does un3481 mean?

UN3481: This label is used when shipping lithium-ion batteries that are packed with or contained in equipment. It applies when the batteries are part of a device or packed together with other equipment.

What is un 3481 177 843 - contamination of vehicles?

177.843 - Contamination of vehicles. 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 hazardous materials.

What is a UN 3481 hazard?

UN 3481 can encompass a variety of different types and configurations of lithium-ion cells and batteries with equipment, making it difficult to assess the hazard associated with the package simply by looking at the label alone.



UN 3480, Lithium-ion batteries; or, if inside a piece of equipment or packed separately with a piece of equipment to power that equipment as: UN 3091, Lithium metal batteries contained in equipment; or; UN 3091, Lithium metal batteries packed with equipment; UN 3481, Lithium-ion batteries contained in equipment; or; UN 3481, Lithium-ion



UN No. 3481: NAME and description: 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: Labels



UN 3091, Lithium metal batteries contained in equipment or packed with equipment. UN 3481, Lithium ion batteries contained in equipment or packed with equipment. Zarges K470 cases with appropriate inserts are able ???



UN3480 - PI965 UN 3481 -PI966 UN3481 - PI967
 Section PI965-Section IB PI966 - Section II PI967 -
 Section II IMPORTANT: RECALLED OR
 DEFECTED LITHIUM BATTERIES ARE
 FORBIDDEN FOR AIR TRANSPORT. V 5.7 -
 Effective from: 1 st January 2022 UN3480 UN3481
 UN3481. Title: Lithium Ion Batteries Regulations



lithium ion cells and batteries (see UN Nos. 3090,
 3091, 3480 and 3481, and the applicable special
 provisions of Chapter 3.3 of the Model Regulations).
 38.3.2 Scope lithium ion battery, with a Watt-hour
 rating of more than 6 200 Watt-hours, that battery
 assembly does not



of Dangerous Goods.They are classified under
 CLASS 9, UN 3480 : Lithium-Ion Batteries, and UN
 3481 : Lithium-Ion Batteries contained in equipment
 or packed with equipment. Prior to any shipment,
 the compliance with the following requirements
 points must be fulfilled:



f? 1/4 ? UN3091,? 1/4 ?lithium metal batteries
contained in equipment? 1/4 ????? ? 1/4 ? "",? 1/4
???????? ???



Passing of safety tests for lithium batteries and cells
(Refer to the UN Manual of Tests and
Criteria-UN/DOT 38.3). This will be indicated in the
test summary document requested from your
supplier. ??? There are recordkeeping requirements
for this testing which can be found in ???



UN-number: 3481: Name: LITHIUM ION
BATTERIES CONTAINED IN EQUIPMENT or
LITHIUM ION BATTERIES PACKED WITH
EQUIPMENT (including lithium ion polymer
batteries) Comment: Class: 9: Classification: M4:
Packing group: Labels: 9A: Danger number:
Transport category: 2: Tunnel code (E) Special
provisions:



UN 3481, PI967 ??? lithium-ion batteries contained in equipment *Note ??? State of Charge is very difficult to measure in lithium batteries and relies on the complex, costly and time consuming Coulomb-counting technique. Factory fresh batteries from reputable manufacturers however, will be produced at the correct level, as they are aware of



UN 3481 can encompass a variety of different types and configurations of lithium-ion cells and batteries with equipment, making it difficult to assess the hazard associated with the package simply by looking at the label alone.



Lithium ion batteries contain flammable liquid electrolyte that may vent, ignite and produce sparks when subjected to high temperatures (> 150 °C (302 °F)), when damaged or abused (e.g., mechanical damage or electrical overcharging). May burn rapidly with flare-burning effect. May ignite other batteries in close proximity. HEALTH



UN 3481 ??? batteries shipped in equipment, or packed with equipment; Lithium metal batteries. UN 3090 ??? batteries shipped by themselves; UN 3091 ??? batteries shipped in equipment, or packed ???



f? 1/4 ? UN3091,? 1/4 ?lithium metal batteries contained in equipment? 1/4 ????? ? 1/4 ? "" ,? 1/4 ????????? 1/4 ?UN3171""



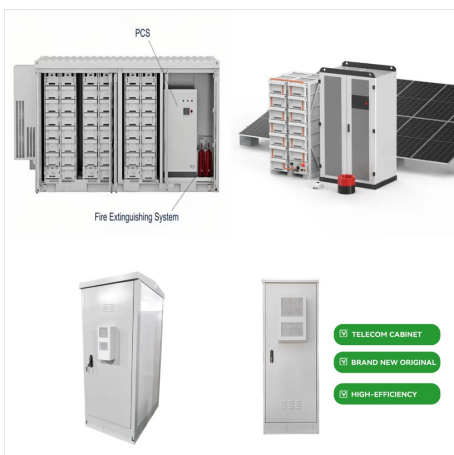
Class 9 ??? UN3481 ??? Lithium ion batteries contained in or packed with the equipment, but not attached to the source. Class 9 ??? UN3481 ??? Lithium ion batteries contained in or packed with the equipment, installed / integrated at the source. For each model of battery, there are different requirements to be verified: ??? Type of battery.



??? 2006 UN (2009 ICAO) ??? UN 3480 Lithium ion batteries ??? UN 3481 Lithium ion batteries packed with or contained in equipment ??? UN 3090 Lithium metal batteries ??? UN 3091 Lithium metal batteries packed with or contained in equipment 5



??? UN 3481, Lithium ion batteries packed with equipment. Lithium battery test summary ??? effective 1 January 2020, manufacturers and subsequent distributors of cells or batteries and equipment ???



The battery must be UN 38.3 tested and installed in the vehicle. The battery must not be damaged or defective. If battery is not installed, must ship as "UN 3091, Lithium Metal Batteries Packed with Equipment" or "UN 3481, Lithium Ion Batteries Packed with Equipment", as applicable.



If you're shipping lithium-ion batteries as a standalone, use a battery label with UN3480. Standalone refers to packages that only contain batteries. On the other hand, if you're shipping lithium-ion batteries packed with or contained in equipment, use a battery label with UN3481. This distinction helps ensure compliance with shipping regulations and proper ???



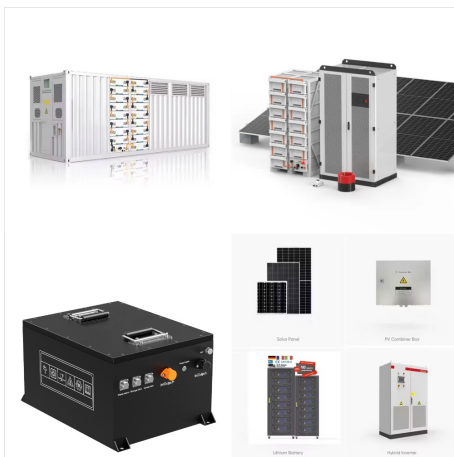
Substance information for UN 3481 - Lithium ion batteries contained in equipment including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist ???



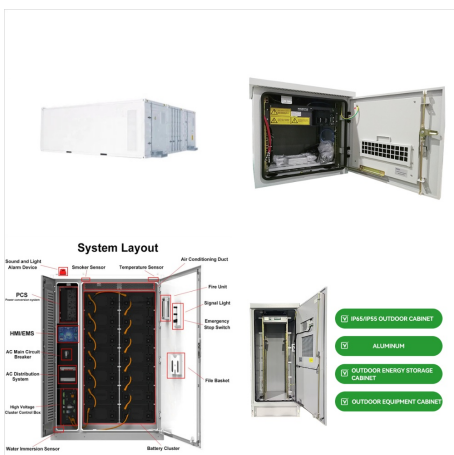
??? UN 3481 Lithium ion batteries contained in equipment ??? UN 3481 Lithium ion batteries packed with equipment In individual cases, a dangerous goods expert should be consulted. Local authorities are responsible for the interpretation and implementation of ???



UN 3481, Lithium ion batteries contained in equipment; UN 3090, Lithium metal batteries; UN 3091, Lithium metal batteries packed with equipment; UN 3091, Lithium metal batteries contained in equipment; The Class 9 Lithium Battery ???



transport by air. Lithium metal batteries (UN 3090) are not allowed for transport in cargo of passenger aircrafts. Lithium -ion batteries (UN 3480) are accepted for cargo transport only with a State of Charge of 30% or less. Note: For the IATA Guidance Document on lithium batteries, see the address: ??? UN DGR Lithium Batteries



??? UN 3481, Lithium ion batteries contained in equipment; or ??? UN 3481, Lithium ion batteries packed with equipment. Lithium battery test summary, manufacturers and subsequent distributors of cells or batteries and equipment powered by cells and batteries manufactured after 30 June 2003 must make available the



??? UN 3480 Lithium ion batteries ??? UN 3481
Lithium ion batteries contained in equipment ???
UN 3481 Lithium ion batteries packed with
equipment In individual cases, a dangerous goods
expert should be consulted. Local authorities are
responsible for the inter-ation and implementation of
the relevant regulations.



This transport data sheet uses the small cells and
batteries exceptions in 49 CFR 173.185(c). The
criteria are: may not exceed lithium ion batteries of
100 Watt-hours (Wh) each, or lithium ion cells not
exceeding 20 Wh each. Starting in 2016 lithium ion
batteries using this exception must be marked with
the watt-hour rating.



LITHIUM ION BATTERIES RLI (RU-03): Dangerous
goods declaration Section I Package limit (net
quantity of cells/batteries): PAX = 5 kg, ?????? = 35
kg UN 3481 (RLI, ELI) Lithium ion batteries
contained in equipment LABELLING PACKING
INSTRUCTION 967 REQUIRED
DOCUMENTATION Cells: more than 20 Wh,
Batteries: more than 100 Wh Cells: not more 20



Exception: If the only lithium batteries are Section II and are those in packages that are excepted from having the Lithium Battery Mark then do not select UN 3481 PI 967 or UN 3091 PI 970 in the FedEx automation system (so ELB does not appear on the automation label) for devices such as temperature control devices. [FX-05B]



for both battery types. However, button cell batteries installed in equipment (including circuit boards) need not be considered. (b) the transport document shall indicate UN 3091 Lithium metal batteries packed with equipment or UN 3481 Lithium ion batteries packed with equipment, as appropriate. If a package contains both lithium metal



Only the following lithium batteries are accepted for carriage: ??? lithium ion batteries (UN 3481) prepared in accordance with Section II of Packing Instructions 966 and 967. ??? lithium metal batteries (UN 3091) contained in temperature monitoring devices (e.g. data loggers),