

XCE Lithium Battery API



The XCE Lithium Battery API is the first and only cloud based Lithium Battery compliance engine.

Simply submit the details of the battery you are shipping and the REST API tells you the correct packing instruction and displays the label and markings required by the specific regulation. It even returns the graphic of the package so you can feel confident that your labels and markings are correct before you tender it to the carrier.

SAMPLE REST REQUEST

```
{
  "containedIn":true,
  "count":7,
  "isBattery":true,
  "isCell":true,
  "lithiumContentInGrams":2,
  "numberOfPackages":1,
  "packageWeightInKilograms":4,
  "packedWith":false,
  "regulation":"IATA",
  "stateOfCharge":1,
  "unld":"UN3091",
  "voltage":0,
  "voltageUnit":null,
  "wattHour":0,
  "SessionId": "8a398305-7500-4670-9e09-db4363eb7a31"
}
```

SAMPLE REST RESPONSE

```
{
  "Data": {
    "AllowedInPassenger": false,
    "AlternateDocumentationNeeded": false,
    "CargoAircraftOnlyRequired": false,
    "CargoOnly": false,
    "Class9Required": false,
    "ComplianceStatement": "",
    "ErrorInRegulatoryCheckMessage": "N/A",
    "FourBulletsRequired": true,
    "IATADeclarationRequired": false,
    "ImageUrl": "http://soap.hazmatcomplianceengine.com/GUI/hazmat-box/images/lithium/967II_CAO_NONSPEC.png",
    "IsRegulated": false,
    "LimitPerPackageCargo": "5",
    "LimitPerPackagePassenger": "5",
    "LithiumBatteryCautionRequired": true,
    "MaxCellCountAllowed": null,
    "NonPrintableInformation": null,
    "PackingInstruction": "_967",
    "PiRating": 1,
    "SeeSpecialProvisionA201": false,
    "ShippersDeclarationInNetKGRequired": false,
    "SinglePackageShipment": false,
    "SpecialPermitRequired": false,
    "StrongRigidOuterPackagingRequired": true,
    "UNID": "UN3481",
    "UnSpecPackagingRequired": false
  },
  "Errors": null,
  "Success": true
}
```

UN3090 968 IA

Lithium Cell/Battery Type: UN3090, Metal Cells

Container or Package Weight: 8 kg

Cell Count: 1

Lithium Content in grams(g): 1.1

Cell Watt Hour: 0

Calculate WattHour and Lithium Content

Cell Count: 1

Cell Voltage (V):

Amps/milliamps:

Cell Watt Hour:

Cell Lithium Content(g):

IATA Shipper's Declaration Required	Yes
UN Specification Packaging Required	Yes
Cargo Aircraft Only Label Required	Yes
Class 9 Label Required	Yes
Must Ship Fully Regulated	Yes
Only Single Package Consignment Allowed	
Limit per package Cargo Aircraft (kg)	35
Shipper's Declaration in Net KG Required	
Strong Rigid Outer Packaging Allowed	
Lithium Battery Caution Label Required	
Cell/Battery Count Allowed	
Four Information Bullets Required	
Dangerous Goods Surcharge	Yes
Limit per package Passenger Aircraft (kg)	Forbidden

